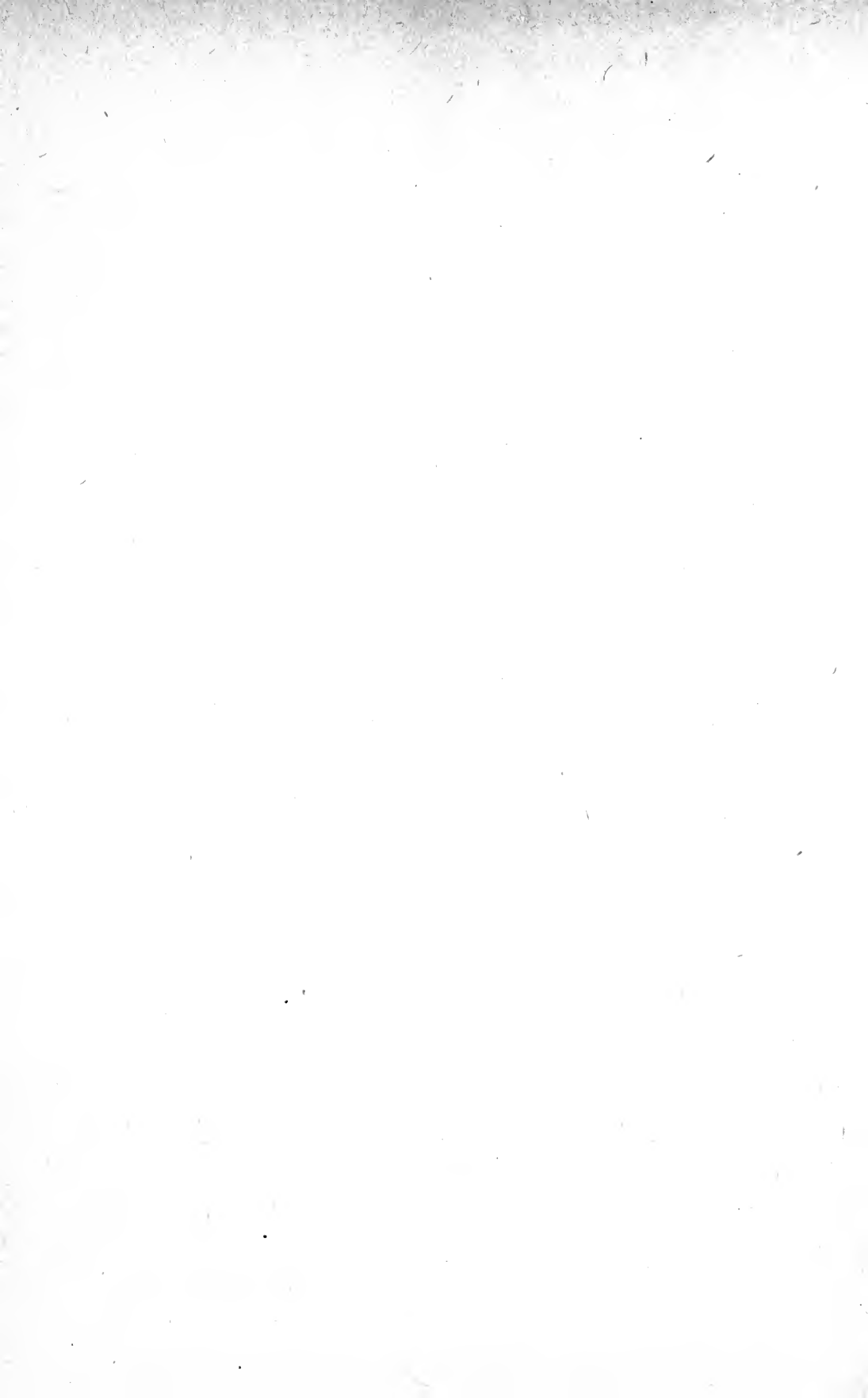






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**MANUAL OF INFORMATION ON  
CITY PLANNING AND ZONING**

**LONDON: HUMPHREY MILFORD**

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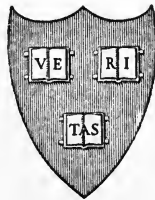
MANUAL OF INFORMATION  
ON  
CITY PLANNING AND ZONING

INCLUDING REFERENCES ON  
REGIONAL, RURAL, AND NATIONAL PLANNING

BY

THEODORA KIMBALL

LIBRARIAN, SCHOOL OF LANDSCAPE ARCHITECTURE, HARVARD UNIVERSITY  
HONORARY LIBRARIAN, AMERICAN CITY PLANNING INSTITUTE  
ASSOCIATE, BRITISH TOWN PLANNING INSTITUTE



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## TO HERBERT HOOVER

*The enormous losses in human happiness and in money which have resulted from lack of city plans which take into account the conditions of modern life need little proof. The lack of adequate open spaces, of playgrounds and parks, the congestion of streets, the misery of tenement life and its repercussions upon each new generation, are an untold charge against our American life. Our cities do not produce their full contribution to the sinews of American life and national character. The moral and social issues can be solved only by a new conception of city building.*

*From Mr. Hoover's address at the meeting of May 10, 1922, called by the Russell Sage Foundation, on the Plan of New York and its Environs*



## PREFACE

THE considerable demand for collected current information on city planning and zoning, particularly from cities and towns initiating work in this field, has been brought to the attention of the writer by the numerous inquiries about city planning received at the Harvard University School of Landscape Architecture, the National Conference on City Planning, and the Division of Building and Housing of the Department of Commerce, from municipal officials, plan commissions, engineers, landscape architects, architects, real estate boards, lawyers, chambers of commerce, civic improvement societies, students, and interested citizens. It has seemed worth while to compile in book form the information necessary to answer the greater number of these inquiries.

The first part of the book is directed more especially to those just beginning their studies in this field, who may desire to know what city planning is and what it does for a city, what books and magazines to read about it, what organizations are backing it, what funds are being appropriated for it, and how, having come to believe in it themselves, to launch a campaign for the education of others. In these pages, perhaps the beginner may gain an idea why the citizens of St. Louis recently passed bond issues totalling \$87,000,000 to carry out the public works laid out on their city plan, and why over three hundred cities and towns have appointed commissions to work on phases of city planning and zoning.

From the shorter and longer lists of references included in the *Manual*, libraries and plan commissions may select what they wish to buy for their shelves, and from the extensive bibliography, the city official may find precedent or parallel for his problems, and the student a guide to matter for his essay or an outline for systematic reading. In fact, the second or bibliographical portion of the book is probably the most comprehensive list of references on the subject available.

In 1915, the National Conference on City Planning published a *Classified Selected List of References on City Planning*, by the writer, arranged in the same fashion as the bibliography in this present book — following the outline classification published in 1913 as *City Planning, a Comprehensive Analysis*, by Professor J. S. Pray and the writer. Such of the references in the 1915 List as have not been superseded by later articles or books have been retained in the *Manual*, but these have proved to be only a small proportion of the more than two thousand references comprised in the present bibliography, in view of the tremendous

growth of interest and activity in the field during the last eight years. In the case of subjects recently come to public attention, such as aerial mapping, a longer list of references has been given than to subjects more completely epitomized in the standard American reference books on city planning, of which *The Planning of the Modern City*, by Mr. Nelson P. Lewis, and *The Law of City Planning and Zoning*, by Frank B. Williams, Esq., should be mentioned as undoubtedly the most important. In the case of some subjects in less developed portions of the field, the references given are inadequate because of the dearth of printed information. In all cases there has been an attempt to give references of practical value, with cross references to names of American cities illustrating the subject in question, and to give not only a variety of sources, but also especially sets of periodicals available in libraries of smaller cities.

The Table of Contents is expected to serve as an index to the various features of the first part of the book, but a full subject index has been provided as a key to the bibliography. It has been suggested that selected headings from this index might well be used as a "subject heading list" for an office library on city planning. The outline of the bibliography, which precedes the references, is condensed from the Pray and Kimball 1913 classification scheme before mentioned, and thoroughly revised to accord with recent progress in the subject. Where the sequential classification numbers vary from those in the 1913 scheme, this may usually be counted a matter of revision or addition, although in a few cases new numbers have been used for greater convenience in arranging the bibliography.

In order to make the price of the book as low as possible, no author index to the bibliography has been included. It was felt by those members of the National Conference on City Planning who were consulted that the author index would be of little use as compared with the subject index, and that therefore the extra expense entailed would not be justified. Since the authors' names are printed in black type, the reader who desires the writings of a particular author on given subjects should have no difficulty in finding these. The reader sufficiently interested in the whole subject to be desirous of finding out how many articles by an author have been included in the entire *Manual* will have no recourse but to run his eye through the black names on all the pages, thereby, perhaps, learning something else as well for his pains.

Acknowledgment is gratefully made to the many people concerned in city planning and allied work who have given information for various sections of this *Manual*, and especially to Professor George C. Whipple and Professor James Ford of Harvard University, Flavel Shurtleff, Esq., Secretary of the National Conference on City Planning, Dr. John M. Gries, Chief of the Division of Build-

ing and Housing of the Department of Commerce, Mr. Lawrence Veiller, Secretary of the National Housing Association, Dr. Shelby M. Harrison and others of the Russell Sage Foundation, Edward M. Bassett, Esq., of New York, Mr. H. H. B. Meyer, Chief Bibliographer of the Library of Congress, and Miss Rebecca B. Rankin, Librarian of the New York Municipal Reference Library. The cooperation afforded by the Library of the Harvard School of Landscape Architecture, with the sanction of Professor James Sturgis Pray, has made possible the assembling of the extensive bibliography; and the skill, enterprise, and patience of the writer's assistant, Miss Mildred R. Bradbury, have constantly promoted progress. Above all, the assistance and encouragement rendered by Professor Henry V. Hubbard of the School at all stages of the *Manual's* preparation have increased its scope and caused to appear what we hope will prove a useful handbook for American students of city planning.

T. K.

CAMBRIDGE, June 24, 1923



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# CITY PLANNING

ISSUED UNDER THE AUSPICES OF  
THE NATIONAL CONFERENCE ON CITY PLANNING



# CITY PLANNING FACTS

## AN INTRODUCTORY STATEMENT OF PRINCIPLES AND PROCEDURE

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### INDUSTRY AND HOMES

CITIES have grown with the development of manufacture and trade, and more and more people have come to live in the city to be near the work offered in its factories, shops, and offices. Reduced to the very simplest elements, life in a city may be expressed in terms of places of work and places for people to live and the means of transportation between; and, since life cannot continue all work and no play, we must have places for recreation as well as workshops and homes.

When we speak of planning the city, — or city planning, — we are talking about the arrangement for convenience and comfort of the greater or smaller groups of these homes and shops and roads and parks, so that people who live in cities may have the fullest measure of health, wealth, and happiness.

### CITIES, TOWNS, AND REGIONS

The city, however, is not a thing unto itself: it is a vital part of the region in which it is situated. It depends on many smaller towns and agricultural areas for its food supplies and for customers to purchase its products. In many respects the interests of every unit in the whole region are bound up together, and the welfare of each is dependent on the welfare of the whole, just as the interests of regions and states are bound together in national interests, and their welfare dependent on the integrity and prosperity of the nation. Thus city or town planning should not be thought of as sharply divided off and limited by the conditions within existing boundaries of city or town. We must think of it as the planning of a city or town in the light of its relations to other cities and towns and to the surrounding rural areas. For example, the roads from the country over which food supplies are brought to the city must be made to come in as directly as possible, and there must be enough public open land preserved in the region so that future generations may not lack for supplies of water and fresh air.

### REMEDIAL AND PREVENTIVE PLANNING

Some of the cities now existing have been wisely planned, but most of them have grown up haphazard in a jumble of factories and homes and unrelated streets. It is not surprising that they are afflicted with various inconveniences and ills. There are slums and "blighted" districts, and people have trouble in finding

homes and in getting from home to work. We might liken such a city to a half-sick man who has let himself run down, overwhelmed by the things that have happened to him one after another. Just as proper medical skill can help him gradually to recover his health, a wise program of replanning and readjustment can help a city to correct its worst physical defects. Similarly, we may liken undeveloped land, or perhaps a very small village, to a strong and healthy child. Just as he may be guided to become a robust man in full enjoyment of his powers, the open land or little village may be planned to offer the best opportunities for the full development of community life. To borrow medical terms, in one case we have remedial planning, and in the other, preventive planning. By forethought and direction we may save the future from the mistakes of the past.

#### WHAT CITY PLANNING INCLUDES

City planning is the control and guidance of the physical development of cities and towns. According to the criterion suggested by Mr. Edward M. Bassett for the regional Plan of New York, it deals actually with those elements of city life which can be expressed on *maps* — with streets and buildings and parks, with railroads and docks. While city planning must take into consideration many intangible facts, its recommendations must be concrete. They must be capable of being shown on a map, and they must be accompanied by a program of regulation, legislation, and finance that will make the map gradually come true on the ground. This “dynamic” plan or map is not fixed once for all and incapable of change; its main outlines being fixed, its detail is constantly developing as the city grows and changes.

It is easier to understand what city planning includes if we think of it in terms of this living map. There is first the *street plan*, with its main thoroughfares, and its secondary streets for business and residence. Some of the main streets extend off into the country and form *motor transport highways* between farm and city or between one city and another. There are *trolleys* and perhaps *rapid transit lines*. There are *railroads* coming into the city, with passenger stations and freight terminals. There may be approaches by river or sea, with ranges of *docks* and *piers*. There are coming to be *airplane landing fields*.

The green areas of the *parks* and *parkways* stand out on the map. There are small in-town parks and large outlying reservations, connected by strands of parkway and boulevard. There are *playgrounds* and recreation buildings dotted over the city, mostly beside *school buildings*; and there are bathing beaches and recreation piers, if the city is fortunate enough to have available waters. There are *public buildings* conveniently grouped in a main civic center and smaller local centers.

Besides the public ways and open spaces and the public buildings, there are large numbers of *private buildings* on the map. The development of these cannot be controlled in the same way as streets and parks, which the city owns,

but must be guided by *regulations* imposed by the city for the general welfare. City planning therefore includes "zoning," or the public regulations governing the use of private real estate (see "A Zoning Primer," issued by the Department of Commerce); and zoning districts must be distinguished on the map. Zoning regulations determine the effective use of the land for residence, business or manufacturing, and the height and ground area of the structures which may be built upon the land. Zoning regulations and building laws work together to prevent the unsafe, unhealthy crowding of buildings and to foster types of dwellings that will make good homes.

#### PLANNING COMPREHENSIVELY

If we go up in an airplane and look down upon the city, we may see all these many elements of the city plan in one comprehensive view, such as we could never have if we rode around the city and thought only about streets and buildings, or rode around the parks and thought only about green spaces. It is this kind of large mental view which we need in developing the city plan for the future. Mr. Thomas Adams has said:

Cities do not grow — all of them are planned. Most of them are planned in piecemeal fashion by surveyors acting for real estate owners, by railway engineers acting for their shareholders and traffic superintendents, and by individual architects or builders acting for their separate clients. The ultimate result is a haphazard collection of plans of land, means of transportation and buildings. But the city interests are not entirely ignored, because every city has more or less power to control these separate plans in the interest of safety, health and convenience. Such control, however, is within restricted limits and the evils that arise from dealing with related parts and problems of the city, as if they were unrelated and disconnected, must remain in the absence of any planning of the city as a comprehensive whole.

The major street plan should be worked out coincidentally with the zoning plan and park system for the entire city, and problems of transportation by motor, rail, and water should be treated as parts of a larger whole. The housing problem cannot be divorced from the street plan and the location of industries. Any one of these problems may be set apart for purposes of study and discussion, but it cannot be solved without a consideration of all the related factors.

The motto, "One thing at a time and that done well," is good in city planning only when applied to the successive steps in an orderly program of general development.

#### BASIC LEGISLATION

Before a city can spend public funds, however small, to prepare a city plan and before this plan can become binding, as a guide for future growth, the city must have the proper legislative authority. This may be already contained in the state constitution or in the city charter, or it may have to be specifically

secured by the city from the state. In some cases a city commission or city council may create a city planning board under the city's general powers. However, since city planning includes zoning, and since recent experience has shown that zoning may best be done under a specific enabling act (see "A Standard State Zoning Enabling Act," issued by the Department of Commerce), it is safest to begin on very firm ground, with the backing of specially granted authority.

Cities may find a collection and explanation of American legislation fundamental to city planning in the authoritative book by Mr. Frank B. Williams entitled, "The Law of City Planning and Zoning." This book will help those initiating city planning work to check up what powers a city now enjoys and what powers it must secure. A paper plan is of little use unless its provisions can be carried out.

#### THE CITY PLANNING COMMISSION

In the earlier days of city planning in the United States, many of the plans were prepared by unofficial committees. It is now recognized that city planning is a necessary part of municipal administration and that the first step towards a plan is to create an official city planning body, frequently called the city planning commission. This commission usually has from five to fifteen members and is composed of representative citizens, serving without pay, together with (*ex-officio*) certain city officials most concerned in carrying out the plan, commonly the city engineer and the head of the park department, and sometimes the mayor and city attorney. The citizen members should be selected to form an efficient working body and should have overlapping terms of office. Frequently a small executive commission with a much larger Advisory Council or Citizens' Committee has been found desirable, the small commission concentrating on the development of the plan and the large committee promoting a general knowledge of it and securing public support.

Except in very small towns, the executive secretary of the city planning commission would better be a paid official giving his whole time to the work and especially trained for it.

#### EXPERT ADVICE

A city needs expert advice in the development of its plan just as a sick man needs a doctor's skill or an accused man the services of a lawyer. The problems of a city are so complicated that a local city planning commission (if it does not contain experts among its members) can hardly be expected to arrive at comprehensive solutions unless it employs outside assistance. The employment of experts familiar with the experience of other cities in solving similar problems is now customary practice. If the city or town is small, one man skilled in city planning is usually employed. If the city be large and the problem such as to require diverse knowledge, a group or committee of experts is secured. This latter method was used by the government of the United States during the Great

War when new towns were laid out by the United States Housing Corporation to house the employees in war industries.

In choosing expert advisers a city planning commission should consider their technical training and experience, their breadth of view, and the practical results of their work in other cities.

### THE SURVEY AND THE PLAN

A good doctor gives his patient a thorough physical examination before he proceeds to a diagnosis. The first step in city planning is likewise an examination of the physical city as it exists in itself and as it is related to the surrounding region. Such a civic survey comprises many branches, each of which is important to the interpretation of the others. Survey studies usually include the preparation of a topographic map, — if the city does not already have one, — maps showing distribution of population, use of land, land values, housing conditions, street traffic, transportation, and terminals, and public recreation areas. Aerial surveys are now considered essential to study of the broad relations of city and region. In addition to the physical survey, studies of social and economic conditions and of legal and administrative powers are carried on.

In the analysis and interpretation of the facts gathered in these surveys, — which may be the coöperative work of several local officials and agencies, — expert advice becomes especially desirable. Under such guidance, these facts should be translated while fresh and vital into the structure of the city plan. The plan, as first created, will be like a view of the city seen from an airplane high above it. Only the main outlines will be laid down, leaving details to be gradually worked out.

### A CONSTRUCTIVE PROGRAM

The city planning commission having been appointed and having begun its work, with the aid of competent technical advice, the next step is to inform the public thoroughly concerning the value of city planning and what it can do for the city. Frequently, as has already been suggested, this educational campaign is carried on by a large advisory committee of citizens or a city planning association. The interest of every voter in the community should be aroused so that all will understand and be favorable to city planning, and, when the time comes, vote for and not against the financing of the plans proposed. Suggestions for conducting educational campaigns for city planning may be obtained from the Secretary of the National Conference on City Planning. (See also p. 33.)

When the city planning commission and its advisers are ready with the outline of the city plan, or with some important part which seems to demand early attention, this should be published in such form that it may be widely distributed to citizens and readily comprehended by them. A concise summary of

the plan and well selected illustrations help the reader who will not attempt to encompass the full text.

An essential part of a city plan is a "progress program" covering perhaps a period of thirty years and showing the order in which the various projects proposed by the plan should be taken up, and the possible methods of financing these. This program will show priority projects on which public attention may first be concentrated. Unless some such program is attached to the plan, it would not be surprising if many citizens were frightened by the magnitude of a long look into the future. It is here that the "One thing at a time and that done well" helps the accomplishment of the other things that must come after.

Constant alertness on the part of the city planning commission will be necessary to guide the construction of the plan, coöperating with the various municipal departments charged with this, and providing for changes of detail to meet new conditions as they arise. The work of the city planning commission is only begun when the plan is published. The commission must continue the education of the public, continue the defense of the plan against the encroachment of selfish interests, and be constantly watchful of opportunities to enlist coöperation of the public transportation companies and of surrounding municipalities in the development of the city.

#### FINANCING THE INVESTMENT

The public improvements proposed by the city plan must be paid for. Since many of these improvements will be enjoyed more by the future than the present generation, it is felt that future citizens should share in the payment. Certain classes of improvements may with equity be paid from bond issues if the life of the improvement is long enough so that the benefit will be reaped in the future. There is a general feeling, however, among those whose opinion is valuable in this matter, that many of the improvements, especially those correcting mistakes of the past, are such as can be equitably assessed, at least in part on the areas benefited. The book by Mr. Nelson P. Lewis, "The Planning of the Modern City," discusses this subject in detail.

Another method, excess condemnation, employed more abroad than in the United States is beginning to be used here, particularly in street improvements.

A striking instance of financing important public improvements may be cited from Kansas City, Mo., in the construction of its parks and parkways:

Instead of incurring a debt and leaving the bill to be paid by posterity, the people of the city have felt so sure of their immediate value to the community as a whole that they have assessed themselves for the entire cost in order to pay cash.

It will be a part of the duty of the city planning commission, with the advice of other city officials and of its experts, to decide what program of financing will best be adapted to the city and its needs.



### PRESENT ADVANTAGES AND FUTURE RETURNS

The advantages of zoning are immediate. It is hard to name a municipal investment, which, in return for the relatively small amount of money required to do it well, shows such beneficial results in stabilized property values, increased home ownership, rehabilitation of blighted districts, and attraction of industry.

The returns for other phases of city planning which take longer to materialize may be less immediate but are none the less substantial in terms of both comfort and prosperity. Mr. Nelson P. Lewis quotes Mr. John Burns, the father of British town planning legislation, as saying that:

Investment in a good plan, whether it be for new parts of a city or for the correction of older parts, if regarded for a period of a year, may appear expensive; if considered for a period of five years it will be profitable; when considered for a period of fifty years it will be an investment which in subsequent days will make the community regret that it did not adopt it sooner.

Mr. Lewis continues:

Mr. Burns further notes that the neglected hamlets of a hundred years ago are the squalid industrial towns and cities of to-day, and he pleads that we should so arrange the physical life of a hamlet, village, town or city that it can grow naturally and at each stage avoid the cost, nuisance, ugliness, and squalor which one sees wherever a town encroaches on the country. . . .

Instances may be cited where towns have grown very rapidly and have developed into great commercial or industrial cities, although their plans violate almost every principle laid down by city planning authorities. Their growth, however, has been due to certain natural advantages and to the general development and prosperity of the districts tributary to them, and they have grown in spite of the handicap of a poor plan. When its defects and the embarrassment to business due to them become apparent vast sums are often spent to cure the defects which might have been discovered and avoided had sufficient study been given to the plan when it was first under consideration, and the increased cost of doing business for a period of years and the large sums spent in the correction of the plan might have been saved. The cost of reconstruction has run far into the millions in nearly every large city except Washington, which was so planned as to provide for future growth. To give figures for different towns is unnecessary, but the total would be staggering. The beneficial results of such changes as have been made will be evident upon a comparison of the taxable values in their vicinity before and after the improvements have been carried out.

### WHY DELAY?

Cities seldom stop growing. If they continue to grow without a plan, their inconveniences and ills are continually aggravated. The sick man is getting sicker, and every day it becomes more difficult and more expensive to cure him. Public health is damaged by bad housing and lack of playgrounds, public wealth is wasted by building wreckage and costly haulage, and public happiness is clouded by poverty and ugliness.

The advertising slogan, "Eventually, why not now?"—has become a national byword. It applies in city planning, along with, "A stitch in time saves nine," and, "It is never too late to mend." *Today is the time to begin.*

#### CITIES WITH PLANS ADOPTED OR IN PROGRESS

In the invitations to the National Conference on City Planning in June, 1922, the Secretary of the Conference reported that "every city of the Metropolitan class in the United States with a population of over 300,000 has adopted city planning as a part of its official program." During 1922, news of city planning in various stages was received at the Library of the Harvard School of Landscape Architecture from nearly one hundred and fifty cities and towns. Of these, at least twenty-five reached the point in 1922 of issuing published plan reports. Of the forty-three cities in the United States with a population of one hundred and fifty thousand or over, city planning news was received during 1922 from all but three; and of these three only one has not had some form of city plan report in the past. The competitive instinct for securing municipal advantages seems to be thoroughly aroused in many quarters and before long it will be easier to make a list of the principal cities which are laggards in city planning than to review the accomplishment of those which are active.

The statistics to date are not available as to city planning legislation in all states of the Union, but this information is now being assembled at the office of the Division of Building and Housing of the Department of Commerce. In Massachusetts, where there is a compulsory city planning law, fifty-three planning boards are already in operation. The Secretary of the Massachusetts State Division of Housing and Town Planning has compiled information showing that twenty states have state-wide laws authorizing cities to appoint planning commissions, although only three states have state departments or divisions.<sup>1</sup>

The statistics for zoning legislation have been compiled at the Department of Commerce to January, 1923. Twenty-five states and the District of Columbia have enabling legislation, and in the entire country one hundred and nine cities, towns, and villages were zoned up to January 1, 1923 as compared with fifty-five just one year before. More than fifteen million people live in the zoned cities, towns, and villages, or twenty-seven per cent of the total urban population of the country.

The National Conference on City Planning issued in 1922, with a supplement in 1923, a list of cities which have shown an interest in city planning either by making city planning studies or by the appointment of city planning boards, including zoning boards, which comprises over three hundred cities distributed among thirty-eight states and the District of Columbia.

<sup>1</sup> This became four in May, 1923, by the addition of New York, to Massachusetts, Pennsylvania, and California.

Of the larger cities, there might be especially mentioned for their city planning work: New York, Chicago, Boston, Washington, Baltimore, Philadelphia, Cleveland, Pittsburgh, Buffalo, Detroit, Minneapolis, St. Paul, Milwaukee, Kansas City (Mo.), and St. Louis. The Chicago Plan is historic and has been the inspiration of much other planning work. The most recent undertaking, and the most extensive, is the Plan of New York and its Environs under the auspices of the Russell Sage Foundation. This is a great regional plan to be offered to the local authorities of the Metropolitan area as a guide to future development. This project will also be a demonstration of city planning technique which will undoubtedly benefit city planning work throughout the country.

#### SOURCES OF INFORMATION

The National Conference on City Planning (with its Secretary's office at 130 East 22d Street, New York) is a national association solely devoted to the promotion of city planning. Within this organization and with the same officers is the American City Planning Institute, composed of those engaged in technical city planning work. The National Conference and the Institute have published many valuable papers on city planning and the Secretary is in constant touch with city planning projects throughout the country (see p. 13).

The Division of Building and Housing of the Department of Commerce has collected and issued extensive and up-to-date information on zoning, and is now undertaking the same service in regard to city planning. Inquiries for information should be addressed to the Division of Building and Housing, Department of Commerce, Washington, D.C. (see p. 15).

The Library of the School of Landscape Architecture at Harvard University — with its extensive collections on city planning — is recognized as a national center of information and has coöperated with the Department of Commerce in the formation of the latter's files. The Librarian of the Harvard School furnishes annually for publication a review of city planning progress, the series now covering from 1910 to date; and several long and short bibliographies on city planning have been issued. The resources of the Library have been freely used in the preparation of the present *Manual*, and much information thus made more generally available.

T. K.

## TEN REFERENCES FOR THE SHELF OF A CITY PLANNING COMMISSION

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- ROBINSON, CHARLES MULFORD. City planning, with special reference to the planning of streets and lots. New York, G. P. Putnam's Sons, 1916. 344 pages. illus., plans. (Of especial importance in relation to the platting of residential districts.)
- WILLIAMS, FRANK BACKUS. The law of city planning and zoning. New York, The Macmillan Co., 1922. 738 pages. tables. (The Citizen's Library of Economics, Politics and Sociology — New Series.)

## THE NATIONAL CONFERENCE ON CITY PLANNING

THE National Conference on City Planning dates from 1909, which was a significant year in city planning in the United States. In that year the Burnham Plan for Chicago was finished, and the Committee on Congestion of Population in New York City called a conference in Washington to discuss problems of congestion of population. The Washington conference was for a part of its deliberations a hearing before a congressional committee and the proceedings were published as a congressional document. That conference adopted a resolution calling for the appointment of an executive committee to prepare a conference on city planning for 1910.

Frederick L. Ford, the city engineer of Hartford, was elected chairman of the executive committee and Flavel Shurtleff, a Boston lawyer, was appointed secretary, in connection with investigating and reporting upon the law and practice involved in carrying out city plans. This report was financed by the Russell Sage Foundation of New York City.

For several years the Conference on City Planning was continued only by a yearly resolution calling for a conference in the succeeding year, but in 1919 a constitution was adopted which stated the purpose of the organization: "to promote the cause of city, town and regional planning."

Several of the yearly meetings have been noteworthy milestones in the progress of the city planning movement in the United States. At the Philadelphia conference of 1911 was assembled the first comprehensive city planning exhibit in the United States and in this same year Pennsylvania passed permissive legislation looking to the creation of planning commissions in cities of the second class.

In 1912 the conference met in Boston and in the next year the legislature of Massachusetts passed an act making planning boards mandatory in every city of the state with a population of 10,000 and over.

The conference of 1914, entertained in Toronto by the Dominion Conservation Commission, was the first planning conference held in Canada and one of its chief results was the retaining of Thomas Adams, the well-known town planner of Great Britain, as the consultant on city planning to the Conservation Commission of Canada. Here were presented various arguments for zoning in America, and two years later New York City adopted the first zoning ordinance under which Greater New York was zoned for industry, for business and for residence.

The Cleveland conference of 1916 was soon followed by state-wide authorization of city planning commissions.

The conference of 1919 in Niagara Falls and Buffalo stimulated interest in the Buffalo region as a planning unit, and the Buffalo City Planning Association, organized in the next year, included in its program a plan for the entire region for

which Buffalo was the business center. This was the first conscious effort at a regional plan in the United States. At this conference also was organized the American City Planning Institute, a technical group composed of members of the National Conference on City Planning, who as engineers, landscape architects, architects, lawyers, or as specialists in other fields, have been for at least two years in responsible charge of some major phase of city planning.

In the fifteen years of the Conference history, city planning and zoning legislation has been passed by the legislatures of 22 states, 185 cities have appointed plan commissions, 125 cities and towns have passed zoning ordinances, and 90 cities and towns have secured plans for their future development.

FLAVEL SHURTLEFF, *Secretary*

130 EAST 22d STREET, NEW YORK  
April 28, 1923

## SERVICES PERFORMED BY THE DIVISION OF BUILDING AND HOUSING, DEPARTMENT OF COMMERCE, WASHINGTON

A GROWING demand for the Federal Government to take an active interest in building and housing prompted the Congress of the United States to authorize such work in the Department of Commerce beginning with the fiscal year 1921-1922. The Act appropriating the funds says among other things, "That as much of this sum as necessary shall be used to collect and disseminate such scientific, practical, and statistical information as may be procured, showing or tending to show approved methods in building, planning, and construction, standardization, and adaptability of structural units, including building materials, and codes, economy in the manufacture and utilization of building materials and supplies, and such other matters as may tend to encourage, improve, and cheapen construction and housing." Accordingly, Secretary Hoover set up the Division of Building and Housing.

The activities of this Division have developed along four main lines: statistics and economics; elimination of waste; technical service for municipalities; and information service for home owners.

Statistics on current prices of building materials in cities of the United States are collected and made public, as are figures on building activity, production, consumption and stocks of certain building material items, and tables and charts showing wholesale price indices, tenancy, home ownership and similar data.

The Division is cooperating with civic groups, individuals, members of the construction industry, architects, engineers, material producers and dealers, real estate men, contractors and others, in efforts to provide better houses at lower cost and to eliminate wastes that have burdened building and housing in the past. Small house plans designed to utilize standard sizes of materials, and to meet regional needs in various parts of the country are distributed at small cost by the Architects' Small House Service Bureau, endorsed by Mr. Hoover and the Department. A booklet, "How to Own Your Home," has been prepared by the Division for the aid of prospective home owners, and includes sections on financing a home, choosing the site, building a house, and other related subjects.

Technical services for municipalities were undertaken in order to provide where possible a sound basis for greater uniformity in construction regulation. Unwarranted and obsolete restrictions have placed a burden upon building in many communities, and retarded the progress of proper housing and construction. A Building Code Committee of prominent engineers and architects has issued a report on "Recommended Minimum Requirements for Small Dwelling Construction," and a Sub-Committee on Plumbing is working on the essentials

of plumbing code regulations. An Advisory Committee on Zoning makes available, to municipalities and states desiring it, information on zoning matters.

Zoning and city planning are being more and more widely resorted to as remedies for the wastes resulting from undirected city growth and misplaced construction, and in answer to requests from many sources Mr. Hoover appointed the Advisory Committee on Zoning, which is composed of men familiar to those interested in housing and planning problems:

- Mr. EDWARD M. BASSETT,  
Counsel, Zoning Committee of New York.
- Mr. IRVING B. HIETT,  
Past President, National Association of Real Estate Boards.
- Mr. JOHN IHLDER,  
Manager, Civic Development Department, Chamber of Commerce of the United States.
- Mr. MORRIS KNOWLES,  
Of the Chamber of Commerce of the United States, and Chairman of the Zoning Committee of Pittsburgh.
- Mr. NELSON P. LEWIS,  
Past President of the American City Planning Institute, and in charge of the Physical Surveys for the Plan of New York and its Environs.
- Mr. J. HORACE MCFARLAND,  
President of the American Civic Association.
- Mr. FREDERICK LAW OLNSTED,  
Past President of the American Society of Landscape Architects, and Past President of the American City Planning Institute.
- Mr. LAWRENCE VEILLER,  
Secretary and Director of the National Housing Association.

These men prepared "A Zoning Primer," an elementary statement of zoning principles, and "A Standard State Zoning Enabling Act," with full notes for the benefit of states authorizing city zoning. A number of states already have used this Standard Act as the model for their zoning legislation. There has been issued also by the Division of Building and Housing a Selected Bibliography of Zoning, prepared by Miss Theodora Kimball for the Committee, and a statement "Zoning Progress in the United States," which comprises a list of state zoning laws and municipal ordinances.

The Division of Building and Housing endeavors to render a real service to the public at large through its efforts to better construction and to improve housing conditions in the United States.

JOHN M. GRIES

*Chief of the Division of Building and Housing*

May, 1923



## NATIONAL ORGANIZATIONS ACTIVE IN PROMOTING CITY PLANNING

- NATIONAL CONFERENCE ON CITY PLANNING and AMERICAN CITY PLANNING INSTITUTE, 130 East 22d Street, New York City. Flavel Shurtleff, Secretary.
- UNITED STATES DEPARTMENT OF COMMERCE, Washington, D. C. John M. Gries, Chief, Division of Building and Housing.
- 
- AMERICAN CIVIC ASSOCIATION, Union Trust Building, Washington, D. C. Miss Harlean James, Secretary.
- AMERICAN FEDERATION OF ARTS, 1741 New York Avenue, Washington, D. C. Miss Leila Mechlin, Secretary.
- AMERICAN INSTITUTE OF ARCHITECTS, The Octagon, Washington, D. C. Committee on Community Planning. Clarence S. Stein, Chairman.
- AMERICAN INSTITUTE OF PARK EXECUTIVES<sup>1</sup> and AMERICAN PARK SOCIETY, Minot, N. D. Will O. Doolittle, Secretary.
- AMERICAN SOCIETY FOR MUNICIPAL IMPROVEMENTS,<sup>2</sup> P. O. Box 234, St. Petersburg, Fla. Charles Carroll Brown, Secretary.
- AMERICAN SOCIETY OF CIVIL ENGINEERS, 33 West 39th Street, New York City. John H. Dunlap, Secretary.
- AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS, 18 Tremont Street, Boston, Mass. Bremer W. Pond, Secretary.
- CHAMBER OF COMMERCE OF THE UNITED STATES, Mills Building, Washington, D. C. John Ihlder, Manager, Civic Development Department.
- NATIONAL ASSOCIATION OF REAL ESTATE BOARDS, 18 Consumers Building, Chicago, Ill. Herbert U. Nelson, Executive Secretary. Emerson W. Chaillé, Chairman City Planning Committee, 308 N. Meridian Street, Indianapolis.
- NATIONAL AUTOMOBILE CHAMBER OF COMMERCE, 366 Madison Avenue, New York City. John C. Long, Secretary, Educational Department.
- NATIONAL HOUSING ASSOCIATION, 105 East 22d Street, New York City. Lawrence Veiller, Secretary and Director.
- NATIONAL MUNICIPAL LEAGUE, 261 Broadway, New York City. H. S. Dodds, Secretary.
- PLAYGROUND AND RECREATION ASSOCIATION OF AMERICA, 315 Fourth Avenue, New York. George D. Butler, Correspondence and Consultation Bureau.
- RUSSELL SAGE FOUNDATION, 130 East 22d Street, New York City. Department of Surveys and Exhibits; Department of Recreation; etc.
- ZONING COMMITTEE OF NEW YORK, 233 Broadway, New York City. Edward M. Bassett, Counsel.

<sup>1</sup> Name changed in 1921 from American Association of Park Superintendents.

<sup>2</sup> Name changed in 1918 from American Society of Municipal Improvements.

## STATE ORGANIZATIONS TO PROMOTE CITY PLANNING

### MASSACHUSETTS

At the third annual conference of Massachusetts City and Town Planning Boards in 1915, the Massachusetts Federation of Planning Boards (Arthur C. Comey, Secretary, Cambridge, Mass.) was formed under the auspices of the Massachusetts Homestead Commission. It has held annual meetings and published a series of useful bulletins. It has cooperated with the Division of Housing and Town Planning of the State Department of Public Welfare, which superseded the Homestead Commission in 1920, and has been largely instrumental in securing legislative appropriation for the appointment of a field worker for the Division in 1923. The proceedings of the Federation Conferences appear in the Division's annual reports.

### CALIFORNIA

The California Conference on City Planning held its first meeting in October, 1914, as an auxiliary body to the League of California Municipalities. It published several bulletins in 1915, and has promoted city planning and zoning in the state. A meeting was held in March 1923 in connection with pending legislation. The temporary headquarters of the Conference are with the City Planning Commission of Los Angeles, G. Gordon Whitnall, Director. The California Commission of Immigration and Housing is the official state agency authorized to promote city planning work.

### PENNSYLVANIA

The Division of City Planning and Municipal Engineering (B. A. Haldeman, Chief) in the Pennsylvania State Bureau of Municipalities at Harrisburg (established in 1919) is the active center for promoting city planning in the state.

There are two unofficial organizations. The Pennsylvania Housing and Town Planning Association organized several years ago has not been very active. The former Pennsylvania State Association of City Planning Commissioners is in process of reorganization (1923). The State Bureau issued a bulletin in June, 1923, for the Association of City Planning Commissions of Cities of the Third Class (Leo F. Buettner, Secretary, Johnstown, Pa.) describing progress in those cities.

### OHIO

The Ohio State Conference on City Planning (Miss Charlotte Rumbold, Secretary, Chamber of Commerce, Cleveland) was inaugurated in 1919 at the invitation of the Cleveland Chamber of Commerce. It has held annual conferences and conducted active and successful campaigns for the passage of state enabling legislation for city planning. Its latest achievements (1923) in securing authority

for the appointment of regional planning commissions and for the establishment of city maps are especially notable. Its bulletins have been issued in mimeographed form, and extensive educational work through the newspapers has been carried on.

**IOWA**

At the first annual conference on town planning in Iowa held in Des Moines in March 1920, the Iowa Town Planning Association was organized (Rolland S. Wallis, Secretary, Ames, Iowa). The Association has been very active in promoting city planning and zoning throughout the state. It has held successful meetings and published an excellent monthly mimeographed bulletin "Civic Improvement Items" beginning in January 1922. It led the campaign for a state zoning enabling act, based on the Department of Commerce Standard Act, signed by the Governor on April 24, 1923.

**INDIANA**

The first Indiana State Conference on City Planning (John B. Reynolds, Secretary, Chamber of Commerce, Indianapolis) was held at Purdue University in February 1923. At this meeting the progress since the passage of the state enabling laws for city planning and zoning in 1921 was reviewed. Professor Lommel of the Purdue Engineering School has summarized this in a mimeographed paper no. 2 of the Engineering Extension Service, called "Status of City Planning in Indiana."

**NEW YORK**

A Bureau of Housing and Regional Planning has just been established (1923) in the New York State Department of Architecture. The bureau is to be composed of the state architect, the state commissioner of highways and the industrial commissioner, with five lay members to be appointed by the state architect.

The New York State Conference of Mayors and other City Officials (W. P. Capes, Secretary) has included city planning in its programs.

## A LIST OF AMERICAN PERIODICALS DEVOTING SPACE TO CITY PLANNING AND ZONING

THE following periodicals, published in the United States, carry articles or items on city planning and zoning with sufficient frequency to make it worth while for the specialist to keep in touch with their columns. Those which have been marked with a star should be taken regularly by libraries attempting to follow city planning progress; and those marked with a double star may be considered especially useful.

The back files from their beginnings of *American City* (from 1909), *Landscape Architecture* (from 1910), *Housing Betterment* and *National Municipal Review* (from 1912), and of the *Engineering News-Record* from about the same period are very valuable for articles or news items.

References will be found in the Bibliography in this *Manual* to two civic periodicals no longer published: *Municipal Affairs*, a quarterly, published in New York by the Reform Club from 1897 to 1902; and *Civic Comment*, issued occasionally by the American Civic Association from 1919 to 1921. Except for the few references to *Municipal Affairs* and to the general magazines such as *Century* and *Scribner's*, the periodical references in the Bibliography are to fairly recent files of periodicals still continuing publication, mainly to some of those contained in the following list. In cases where no reference to articles in a magazine on the list have been given this may be taken to indicate either that the same subject has been covered more fully elsewhere or that the magazine contains mainly short news items in this field.

A valuable weekly index of civic publications may be found in the New York Municipal Reference Library *Notes*. The *Public Affairs Information Service*, *Industrial Arts Index*, and *Reader's Guide to Periodical Literature* furnish additional references to magazine articles, but it is hardly necessary for anyone except a bibliographer to follow regularly these more general periodical indices.

In several cities the municipal authorities or chambers of commerce publish local organs which feature city planning and zoning items. Typical of these are the Baltimore *Municipal Journal*, Denver *Municipal Facts*, Boston Chamber of Commerce *Current Affairs*, and *Greater New York*, organ of the Merchants' Association. The Port of New York Authority plans are featured in *The Port of New York*. The Citizens City Plan Committee of Pittsburgh has published a regular monthly, *Progress*, devoted to the Plan, since January 1921, and at various times other planning associations have issued little magazines to promote popular interest in the subject.

## LIST

- AERA (monthly). American Electric Railway Association, 8 West 40th Street, New York City. Harlow C. Clark, ed.
- AMERICAN ARCHITECT (and ARCHITECTURAL REVIEW) (bi-weekly). Architectural and Building Press, Inc., 243 West 39th Street, New York City. W. A. Crocker, ed.
- AMERICAN BUILDER (monthly). American Carpenter and Builder Co., 1827 Prairie Avenue, Chicago, Ill. W. A. Radford, ed.
- \*\*AMERICAN CITY (monthly). Civic Press, 443 Fourth Avenue, New York City. Harold S. Bottenheim, ed.
- AMERICAN CONTRACTOR (weekly). American Contractor Publishing Co., 131 North Franklin Street, Chicago. Edward J. Brunner, ed.
- AMERICAN ECONOMIC REVIEW (4 times a year). American Economic Association, New Haven, Conn. Davis R. Dewey, man. ed., Cambridge, Mass.
- \*\*AMERICAN INSTITUTE OF ARCHITECTS, JOURNAL OF THE (monthly). Press of the American Institute of Architects. C. H. Whitaker, ed., 250 West 57th Street, New York City.
- AMERICAN JOURNAL OF PUBLIC HEALTH (monthly). American Public Health Association, 169 Massachusetts Avenue, Boston, Mass. A. W. Hedrick, ed.
- AMERICAN JOURNAL OF SOCIOLOGY (bi-monthly). University of Chicago Press, Chicago, Ill. A. W. Small, ed.
- AMERICAN MAGAZINE OF ART (monthly). American Federation of Arts, 1741 New York Avenue, Washington, D. C. Miss Leila Mechlin, ed.
- AMERICAN MUNICIPALITIES, Iowa (monthly). Municipal Publishing Co., Marshalltown, Iowa. Frank G. Pierce, ed.
- \*AMERICAN SOCIETY OF CIVIL ENGINEERS PROCEEDINGS (monthly, except June and July). 33 West 39th Street, New York City.
- \*ARCHITECT AND ENGINEER, of California (monthly). Architect and Engineer, Inc., 626-629 Foxcroft Building, San Francisco, Calif. Frederick W. Jones, ed.
- ARCHITECTURAL RECORD (monthly). Architectural Record Co., 115-119 West 40th Street, New York City. Michael A. Mikkelsen, ed. (Absorbed PARK INTERNATIONAL.)
- ARCHITECTURE AND BUILDING (monthly). Wm. A. Comstock Co., 23 Warren Street, New York City. Wm. A. Comstock, man. ed.
- BUILDING AGE (monthly). Building Age Publishing Corporation, 239 West 39th Street, New York City. Charles G. Pekar, ed.
- CANADIAN ENGINEER (weekly). Monetary Times Printing Co. of Canada, Ltd., 62 Church Street, Toronto, Canada.
- \*ENGINEERING AND CONTRACTING (weekly). Engineering and Contracting Publishing Co., 9 So. Clinton Street, Chicago, Ill. H. P. Gillette, ed.
- \*\*ENGINEERING NEWS-RECORD (weekly). McGraw-Hill Co., Inc., 10th Avenue at 36th Street, New York City. E. J. Mehren, ed.
- GOOD ROADS (weekly). E. L. Powers Co., 461 Eighth Avenue, New York City. E. L. Powers, ed.
- \*\*HOUSING BETTERMENT (quarterly). National Housing Association, 105 West 22d Street, New York City. Lawrence Veiller, ed.
- KANSAS MUNICIPALITIES (monthly). League of Kansas Municipalities, Lawrence, Kansas. Albert A. Long, ed.
- \*\*LANDSCAPE ARCHITECTURE (quarterly). Landscape Architecture Publishing Co., Cambridge 38, Mass. Henry V. Hubbard, ed.

- MODERN CITY (monthly). Modern City Publishing Co., Franklin Building, Baltimore, Md. Robert E. Lee, ed.
- MUNICIPAL AND COUNTY ENGINEERING (monthly). Engineering Publishing Co., 702 Wulsin Building, Indianapolis, Ind. Samuel C. Haddan, ed.
- NATION'S BUSINESS (monthly). Chamber of Commerce of U. S., Mills Building, Washington, D. C. Merle Thorpe, ed.
- NATIONAL BUILDER (monthly). Tradepress Publishing Corporation, 542 So. Dearborn Street, Chicago, Ill., A. H. McQuilkin, ed.
- \*\*NATIONAL MUNICIPAL REVIEW (monthly). National Municipal League, 261 Broadway, New York City. Harold W. Dodds, ed.
- \*\*NATIONAL REAL ESTATE JOURNAL (bi-weekly). Porter-Bede-Langtry Corporation, 139 No. Clark Street, Chicago, Ill. George E. Henry, ed.
- PACIFIC MUNICIPALITIES (monthly). H. A. Mason & W. J. Locke, eds. and pubs. Pacific Building, San Francisco, Calif.
- \*PARKS AND RECREATION (bi-monthly). American Institute of Park Executives and American Park Society, Minot, N. D. Will O. Doolittle, ed.
- PLAYGROUND (monthly). Playground and Recreation Association of America, 315 Fourth Avenue, New York City.
- PUBLIC WORKS (and MUNICIPAL JOURNAL) (weekly). Public Works Journal Corporation, 243 West 39th Street, New York City. A. Prescott Folwell, ed.
- REAL ESTATE RECORD AND BUILDER'S GUIDE (weekly). Record and Guide Co., 119 West 40th Street, New York City. Frank E. Perley, ed.
- \*SURVEY (weekly). Survey Associates, Inc., 112 East 19th Street, New York City. Paul U. Kellogg, ed.
- TEXAS MUNICIPALITIES (bi-monthly). League of Texas Municipalities, Austin, Texas.
- \*\*TOWN PLANNING INSTITUTE OF CANADA, JOURNAL OF THE (bi-monthly). The Institute, Ottawa, Canada. Alfred Buckley, ed.

L'UNION INTERNATIONALE DES VILLES  
AND THE  
AMERICAN CENTRE OF CIVIC DOCUMENTATION

THE purpose of this important international organization is to collect civic information of all sorts from all over the world, study it and publish, at least quarterly, Note-Books containing brief items of current civic data classified under many convenient headings. The headquarters is in Brussels but well developed "Centres" are now functioning in Paris for France, Brussels for Belgium, Rome for Italy, Düsseldorf for Germany, while in many other countries steps are being taken towards initiating such "Centres."

While in Europe cities support their various National "Centres" by joining officially paying a fee depending upon population, this did not seem to be a feasible arrangement for America.

The work of organizing an American Centre has been taken up by a committee of the American Society of Landscape Architects. This Committee made a thorough investigation and was able to avail itself of the services of Miss Theodora Kimball, the Librarian of the School of Landscape Architecture at Harvard University. The Committee finds that such a Centre of Civic Documentation could far better be arranged in Washington than elsewhere; — that it could best be organized in the Division of Building and Housing of the Department of Commerce, and furthermore that all the material needed for the establishment of such a centre is readily available in Washington, either at the Library of Congress or in other Governmental Departments; that it will therefore be unnecessary to spend any money on this account.

The Committee found, however, that while Secretary Hoover and his Department are much interested, no funds are available for financing the matter. But the Committee believes that an organization which, — as Senator Vinck the Director of the Brussels office has recently said, — is "a tool of such enormous efficiency," stimulating, as it will, better civic conditions by the distribution of authentic, up-to-date, civic information, must not be permitted to fail; and the Committee has under consideration several very promising methods of securing funds for this purpose.

Special Committee of the American Society of Landscape Architects to cooperate with the International Union of Cities and Its Centres of Civic Documentation:

STEPHEN CHILD, Chairman,  
JAMES STURGIS PRAY, Harvard University,  
FREDERICK LAW OLMSTED.

## RECORDS OF CITY PLANNING PROGRESS IN THE UNITED STATES

IN December 1914, the *American City* published a list of American city planning reports covering from 1900 to that date, compiled by the late Charles Mulford Robinson, Mr. Frederick Law Olmsted, and Miss Theodora Kimball.

In 1917 the Town Planning Committee of the American Institute of Architects published the first comprehensive review of city planning progress in the United States, edited by Mr. George B. Ford. This work is now out of print, and no later edition of it has been issued.

In 1920 the Detroit City Plan Commission assembled information from the principal cities of the country as to execution of city planning projects and educational campaigns. This information was turned over to the National Conference on City Planning, and, under its auspices, supplemented and edited for publication by Miss Theodora Kimball. To a digest of the replies from various cities was added a list of city plan reports published in the United States subsequent to 1900. The pamphlet was called "Municipal Accomplishment in City Planning" and may still be obtained from the Secretary of the National Conference. Its list of reports superseded the list published by the *American City* in 1914. The progress recorded in this pamphlet attracted considerable attention in the periodical press, including summaries in the *Engineering News-Record* and *American Review of Reviews*.

Two periodicals have each published a series of annual reviews of city planning progress, — The *National Municipal Review* and *Landscape Architecture*. The series in the former was inaugurated by Charles Mulford Robinson in January 1913, and continued to his death in 1917, after which the reviews were carried on by Miss Kimball. Beginning in 1922 they constitute a briefer summary of progress than the Survey in *Landscape Architecture*. The references for the series are given below.

The reviews in *Landscape Architecture*, also written by Miss Kimball, began in April 1912, covering city plan reports from 1910. At first the annual article was confined strictly to published reports, but the scope has been enlarged, and it now appears in the form of a survey of progress, accompanied by a list of the reports of the year.

The *American City* has just undertaken (beginning June 1923) to cover systematically progress in the legal side of city planning in a department conducted by Frank B. Williams, Esq.

The National Conference on City Planning in its Proceedings has published brief reports from cities where plans are in preparation or under way, and papers on the plans of cities where the annual conferences have been held will be found



in the Proceedings for that year. In the 1922 Proceedings the Conference published a "list of cities which have shown an interest in city planning either by making city planning studies or by the appointment of city planning boards, including zoning boards." This list revised to April 1923, was issued as a bulletin of the Conference.

## REFERENCES

MUNICIPAL ACCOMPLISHMENT IN CITY PLANNING and Published City Plan Reports in the United States, edited by T. Kimball from information assembled largely by the Detroit City Plan Commission. Published under the auspices of the National Conference on City Planning, 1920. 79 pages.

## LANDSCAPE ARCHITECTURE

Surveys by T. Kimball:

- April, 1912; vol. 2, p. 111-126.
- April, 1913; vol. 3, p. 119-134.
- January, 1915; vol. 5, p. 75-104.
- January, 1918; vol. 8, p. 87-100. (Covering three years.)
- January, 1920; vol. 10, p. 80-87. (Covering two years.)
- January, 1921; vol. 11, p. 90-95.
- January, 1922; vol. 12, p. 112-116.
- January, 1923; vol. 13, p. 122-139. *Reprinted.*

## NATIONAL MUNICIPAL REVIEW

Reviews by C. M. Robinson:

- January, 1913; vol. 2, p. 160-166.
- July, 1914; vol. 3, p. 538-547.
- July 1915; vol. 4, p. 383-397.
- July and October, 1916; vol. 5, p. 388-394 and 638-642.
- September, 1917; vol. 6, p. 598-604.

Reviews by T. Kimball:

- November, 1918; vol. 7, p. 605-613. *Reprinted.*
- January, 1920; vol. 9, p. 21-31. *Reprinted.*
- January, 1921; vol. 10, p. 39-50. *Reprinted.*
- January, 1922; vol. 11, p. 27-33. *Reprinted in fuller form.*
- February, 1923; vol. 12, p. 77-82.

## TOWN PLANNING IN OTHER COUNTRIES

THE forthcoming full catalogue of the International Town Planning Exhibition at Gothenburg, Sweden, 1923, is to contain a series of brief articles on town planning work in each of the many countries to be represented. Reports from delegates at the meetings of the International Garden Cities and Town Planning Federation, often published in *Garden Cities and Town Planning*, and delegates' reports at the Interallied Town Planning Conference in Paris in 1919, etc., give the best available accounts of progress.

The following notes, compiled from information at hand, are intended mainly to give the student an idea of organizations to get in touch with, magazines to read, and subjects of town planning interest in foreign countries.

### GREAT BRITAIN

The British technical society in this field is the Town Planning Institute, founded in 1913, with its Secretary's office at Maxwell House (11 Arundel Street, Strand), London. Its *Papers* are published serially as separates and also made up into an annual volume. The Garden Cities and Town Planning Association (3 Gray's Inn Place, London) has published a monthly periodical since 1906 and conducted an active and effective campaign for the formation of garden suburbs and garden cities. The success of Letchworth, the first garden city, is now established. The National Housing and Town Planning Council (Henry R. Aldrich, Secretary, 41 Russell Square, London), originally founded as The National Housing Reform Council, has been interested in immediate housing problems and legislative relief, especially by furthering the passage of the Housing, Town Planning, etc., Acts; and the Council has also conducted effective local educational campaigns.

The Department of Civic Design at the University of Liverpool is a center for town planning study, and has published the *Town Planning Review* since 1910.

In addition to *Garden Cities and Town Planning* and the *Town Planning Review*, the periodicals to follow for city planning articles and news in Great Britain are the weekly *Municipal Journal* (London), the *Journal of the Royal Institute of British Architects*, and the monthly *Journal of the London Society*.

The Housing, Town Planning, etc., Act passed in 1919, superseding the older act of 1909, makes town planning obligatory after a certain date deferred from 1923. The Government exercises its authority over town planning and promotes the preparation of town planning schemes through the Ministry of Health. Mr. Raymond Unwin is the principal technical adviser to the Ministry in matters of town planning.

Starting from the earlier proprietary villages like Port Sunlight and with the emphasis distinctly on social and economic aspects, town planning and site planning have made rapid progress in Great Britain; and especially since the war

problems are coming to be treated in regional and national terms. The problems of London and its region are of particular moment. To the American student of town planning going abroad, England has more to offer than any other country, both in current activities and in historic examples with suggestions of practical application in our own land.

#### REFERENCES

GARDEN CITIES AND TOWN PLANNING ASSOCIATION. Reports of annual meetings in *Garden Cities and Town Planning*.  
GREAT BRITAIN, MINISTRY OF HEALTH. Housing and town planning. Part II of Annual report. 1st, 1919-20; etc.  
*See also* references in Bibliography under subject number 6100, for *London of the Future* and other regional studies.

#### FRANCE

The Société Française des Urbanistes, formed in 1913, is the technical association corresponding to the Town Planning Institute, with its headquarters at the Musée Social (5, rue Las-Cases, Paris), which has long been actively interested in promoting town planning and maintaining collections on the subject. The French garden city association (L'Association des Cités-Jardins), through its Secretary, M. Georges Benoît-Lévy, has been issuing propaganda since 1904. During the war, the Renaissance des Cités (23, rue Louis le Grand, Paris), was formed (1916) to promote the adequate reconstruction of the destroyed towns. It did extensive educational work and assisted in the preparation of demonstration plans, notably Rheims, Chauny, and Pinon.

The French town planning act passed in 1919 in cognizance of urgent reconstruction problems requires cities and towns, with certain exceptions, to formulate planning schemes. The Ministry of the Interior has general supervision of town planning matters, coöperating with the Ministry of the Liberated Regions for matters within the latter's province.

The École des Hautes Études Urbaines of the Institut d'Histoire, de Géographie et d'Économie Urbaines (29, rue de Sévigné) is training men in problems of *urbanisme* and the same Institute promotes the Union des Villes et Communes de France and publishes *La Vie Urbaine* and its fortnightly supplement. At the same address, the Association Française pour l'Étude de l'Aménagement et de l'Extension des Villes has its headquarters.

The Department of the Seine has an *Office des Habitations à bon Marché* (32, Quai des Céléstins) responsible for building garden suburbs on the outskirts of Paris.

From the historical point of view, the work of Haussman for Napoleon III in modernizing Paris to produce an effect of civic magnificence is most instructive, especially in comparison with the recent competition studies for greater Paris, based on social and hygienic considerations. To the student of city planning, also, many of the smaller French cities, such as Lyons, Nîmes, Nancy, and Tours

possess much of interest. The rebuilding of towns in the devastated regions and the development of the Paris suburbs are doubtless the most interesting current subjects for study.

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 See also references on French reconstruction in Bibliography under subject number 1293.

#### BELGIUM

There is a Société des Urbanistes belges with its headquarters at Brussels. Brussels is also the headquarters of l'Union Internationale des Villes, which brought about the Ghent town planning congress of 1913 and which has inaugurated an International Centre of Civic Documentation (see page 23). L'Union des Villes et Communes belge (rue de la Régence 3 bis, Brussels), corresponding to the French Union, has as director Senator Vinck, who, with MM. Louis van der Swaelmen and Paul Otlet, is largely responsible for the progress of town planning in Belgium. The Government is promoting reconstruction along town planning lines, through the various Ministries and Commissions concerned and l'Union des Villes.

The two Belgian periodicals which regularly contain town planning news are: *La Cité*, published monthly in Brussels (Librairie Lamertin) since July 1919, and *La Mouvemnt Communale*, also monthly, established in January 1921, as the official organ of l'Union des Villes.

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 See also references in the Bibliography under subject numbers 0, 998, and 1293.

#### GERMANY

There is a Deutsche Akademie des Städtebaues, a technical society, recently founded. The Deutsche Gartenstadt-Gesellschaft, active for many years, has

been instrumental in founding a number of garden suburbs. The K. Technische Hochschule in Berlin has published an extensive series of papers comprising lectures and studies on current and historic phases of city planning (see Bibliography, subject number 180). The monthly periodical *Der Städtebau* (published by Ernst Wasmuth A.G. in Berlin) carried through the war and still is the main source of information on contemporary German work. A considerable number of German books on city planning have been published since 1914, both new works and new editions of older works, including those of Dr. Stübben and Dr. Brinckmann. The German garden city association has renewed its propaganda work and several interesting garden suburb schemes are now being built.

The nineteenth century modernizing of Berlin is considered less instructive to students than the examples of mediaeval town planning to be seen in towns like Rothenburg. Again, Munich, Dresden, and Frankfurt have much to offer the student. The Rhine cities, and ports like Hamburg, are noted for the combination of commercial and recreational uses along the waterfront. Düsseldorf is often cited as an excellent example of the application of modern German town planning principles. The zoning system and land policies of the German cities and the history of city planning in Germany are given in several articles mentioned in the Bibliography.

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AUSTRIA

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- UCHIDA, K. Awakening interest in a better Tokyo. City planning association active. *Ibid.*, p. 55-58. illus.
- In addition to the Japanese national city planning bureau in the Department of Home Affairs there are municipal city planning bureaus in Kyoto, Kobe, Nagoya, Osaka, Tokyo, and Yokohama.

**LATIN AMERICA**

- AMERICAN CITY magazine published a series of illustrated articles featuring city planning and municipal improvements in Latin America: Jan. 1915, on Chile, by John E. Lothrop; and Jan.-Dec. 1918, on eight leading cities of South America and on Mexico City, through the courtesy of the Pan-American Union.
- See also reference in Bibliography under subject number 880 for Montevideo competition plans.
- GASTON, PEDRO PABLO. El nuevo plano de la Habana. *Revista de la Sociedad Cubana de Ingenieros*, June 1918; vol. 10, p. 331-357. plan.

REVISTA MUNICIPAL, edited by Dr. F. Carrera Justiz, published fortnightly in Havana, carries news of city planning in Latin America and other parts of the world.  
See also reference in Bibliography under subject number 998.

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Contains proposals for city planning and housing.  
The Kungliga Byggnadstryelsen, in Stockholm, and the Stockholms Stads Byggnadskontor (Stadsplanebyrån) are both active in promoting city planning.  
The Stadtsingenjör of Gothenburg, A. Lilienberg, has been active in bringing about the International Town Planning Exhibition there in the summer of 1923 (see *ante*).  
See also reference in Bibliography under subject number 230, and analysis of Swedish Town Planning law in Mr. Williams's book (700).



## SUGGESTIONS ON CONDUCTING PUBLICITY CAMPAIGNS FOR CITY PLANNING AND ZONING

Prepared in response to numerous requests for information on this subject. Rewritten from article by the author in *Landscape Architecture*, Quarterly, July 1922. For a list of references on educational campaigns, see p. 70, of this *Manual*.

### WHOM TO REACH

To attract the attention and arouse the interest of every voter, — man and woman, — in the community, and to convince them of the value of city planning so that they will vote for and not against it when the issue comes up, is the object of an educational campaign for city planning. No group of citizens and no section of the locality should be overlooked; nor must non-resident property owners, whose opposition might be a disturbing element, be forgotten. Citizens and tax payers alike have something to gain from the adoption of a comprehensive city plan, and of zoning regulations, and every one of them, however obscure or modest, is worth reaching.

When those who have organized to conduct the publicity campaign have secured the aid of their local newspapers, have enlisted the support of the civic and social clubs in the community, have convinced the Chamber of Commerce and other business organizations, and have lined up the municipal officials, — have in short done everything they can think of to reach the voters, — they still have an additional opportunity in educating the boys and girls who are the voters-to-be. Moreover, there may be some other stone left unturned which will prove a new and original rallying point.

### SECURING NEWSPAPER AID

The first step in a publicity campaign is to make the editors of the local newspapers realize not only that city planning and zoning are good things but that the subjects have news value. When they understand that more than a hundred communities in the United States have already adopted zoning and that all the large cities have zoning plans in progress, they will see that there must be something in it. The fact that their city is behind other cities and is losing advantages which others have gained, lends itself to write-ups and editorial comment. If space can be secured for a series of special articles and for pithy paragraphs on the editorial page in some given column, this will be a valuable addition to the ordinary news items of local meetings and lectures which occur in the course of the publicity campaign. *Without* the continued aid of the newspapers, there is no hope of reaching the great mass of citizens. *With* newspaper support, the photographs, cartoons, and telling arguments, furnished or inspired by the leaders of the cam-

paign, will be seen and gradually absorbed by those who would not read a pamphlet on city planning or zoning alone, but who must vote for the plan if it is to succeed.

#### ENLISTING SUPPORT OF LOCAL CLUBS

When the newspapers have agreed to give space to the campaign, there should be a thorough stock taking of local clubs which have been accustomed to promote civic improvement and the doings of which are followed with interest by many who are not active participants. The City Club, The Women's Clubs, Civic Improvement Associations of various sorts, Neighborhood Clubs, Junior Leagues, Art Associations, Commercial Clubs, may all be willing to add a speaker to their programs and to appoint a representative to serve on a general citizens' advisory committee to aid in the promotion of city planning and zoning.

#### ENROLLING BUSINESS ORGANIZATIONS

The backbone of such an advisory committee may well be composed of representatives from the Chamber of Commerce and other business organizations of the community, especially the local real estate board. There is no group of men in a town more intimately concerned with the problems which city planning helps to solve than the realtors. There is a talking point when the local board realizes that the National Association of Real Estate Boards through its President and other officials has gone on record as believing in and desiring to promote zoning and city planning.

Chambers of Commerce throughout the country have proven themselves willing and generous agents in forwarding civic improvement. The officers and appropriate committees of the Chamber of Commerce, or Board of Trade, should be thoroughly informed of the nature and value of city planning, so that an official endorsement by the Chamber may attract the support of lesser business organizations and doubting citizens who measure the worth of a cause by its financial backing. It is often the case that a group from the Chamber of Commerce is the active force in initiating the publicity campaign.

#### CONVINCING MUNICIPAL OFFICIALS

The close coöperation of local municipal authorities should be secured at the very outset of the campaign. If the Mayor and Board of Aldermen, or Common Council, or Board of Selectmen, and the various Boards of Commissioners, Building Department, Street Department, Public Works Department, Park Department, and so on, can be made to see early in the game substantial advantages gained in other cities by planning, a tremendous amount of time may be saved. A hostile administration may postpone the approval of a comprehensive plan or the passage of a zoning ordinance until the next election, when, however, it may become a successful issue, backed by the educated force of public opinion.

As soon as the Mayor or Board of Aldermen is convinced, an official city plan commission should be appointed to begin the study of a comprehensive plan, taking advantage of any work towards this end already undertaken by some existing board or committee. It is not well to appoint a special zoning commission without a plan commission, for it should not be forgotten by the municipal officials that zoning is only a part of the general city planning program and that it is of little value unless related to other studies being made for the orderly development of the municipality as a whole.

#### EDUCATING FUTURE CITIZENS

Allies not only to support the plan in the future but also to interest parents and friends in its adoption may be gained through talks in the public schools. Group meetings for teachers are needed so that they may understand what city planning is and does, before they teach its advantages to their pupils. If prizes are offered for the best essays on "What a Plan will do for Our Town," the questions asked by the children of parents and relatives will often stimulate interest in the subject in quarters not reached in any other way. In many cities city planning is coming to be taught regularly as a part of elementary and high school courses in civics, and some of the general textbooks on civics now carry a chapter on the subject.

#### FOLLOW-UP WORK

A publicity campaign for city planning is not finished when the municipality has pledged itself to a plan program, — for instance, in the case of zoning, when hearings are being successfully conducted, and even when the ordinance has actually been passed. The first two years of zoning in operation are critical ones and the essential integrity of the zoning plan depends on a continuing educational campaign until such time as its benefits can speak for themselves. Popular opinion must be thoroughly roused against selfish proposals for changes in the plan. Real instances of tangible advantages arising from the passage of the zoning ordinance should be described in the newspapers, so that those who have voted for the ordinance may feel confirmed in the wisdom of their action, and that doubting Thomases may be converted by what they can see before their very eyes. So, too, in the case of the official street plan constant watchfulness is necessary to prevent individual owners from securing subversive exceptions. In each case having by the original campaign attracted attention, convinced of value and "made the sale," the leaders of the movement can by suitable publicity keep their customers satisfied with their purchases and prevent unnecessary exchanges and alterations.

#### SUCCESSFUL PUBLICITY METHODS IN ZONING CAMPAIGNS

In a community there may be already well established methods of conducting a publicity campaign. Certain points of attack may have proved more favorable than others. A list of all the methods which have been used successfully in zoning

and city planning campaigns in various cities in the United States comprises practically all the means and methods used in many other kinds of educational campaigns.

The publicity in the newspapers has included daily "feature" columns, display articles in "magazine" sections, special supplements, letters to the editor, official advertisements of hearings, advertisements inserted as part of the campaign, and, of course, editorials and news items.

Official organs of local bodies, — chambers of commerce or citizens' committees, — have given regular space and special numbers to city planning and zoning, and periodicals with wide local circulation have run articles and features.

Special pamphlets and reports have been issued at various stages in the game and these have been backed up by widely circulated bulletins, flyers, even post-card notices, besides posters and window displays.

In all printed matter the use of photographs and cartoons has proved effective. In fact the general principles of modern advertising should be applied to all material prepared for use in the city planning campaign.

Lectures, conferences, meetings, and discussions, in many cases illustrated by lantern slides or moving pictures, reach some people averse to reading printed matter, and bring out and drive home points which need to be emphasized. Addresses by speakers from other cities where city planning or zoning has proved its value and by local officials who have become convinced, debates or readings of prize essays, all have their place in a live campaign. Fuel for publicity may often be found in discussion at the numerous public hearings held during the later stages of the preparation of the zoning plan.

Talks to children in the public schools, as already suggested, field work by children in finding examples in various neighborhoods where zoning is needed, or in listing streets where congestion is evident, lectures to parent-teacher associations, and so on, have all been successfully employed in several cities.

An exhibition of photographs and drawings showing conditions in the town, the repetition of which will be prevented by zoning, would be an effective feature in the campaign. "Know your town" exhibits have proven valuable in several instances and city planning takes its place with other features of such a civic exhibition.

When a lot of people are working for a common cause, they come to believe thoroughly in it, and the more people who work, the more centers of support. Those publicity methods which make the greatest number of people feel that they are helping to secure city planning are the best methods for any given community.

#### HOW TO GET HELP

The Civic Development Department of the Chamber of Commerce of the United States (Mills Bldg., Washington, D. C.) aids in promoting city planning and zoning, its work being carried on chiefly through local chambers of commerce

which are members of the national chamber; and the Office of the Secretary of the American Civic Association (Union Trust Bldg., Washington, D. C.) is a source of general information on campaigns for civic improvement.

The Library of the School of Landscape Architecture at Harvard University has been making a special collection of information on city planning and zoning publicity campaigns in cities of the United States, and this information has been used in the preparation of the present article.

The Division of Building and Housing of the Department of Commerce, Washington, D. C., is collecting information from cities in different parts of the country where publicity campaigns have been conducted and where zoning is now in operation. Secretary Hoover's Advisory Committee on Zoning has prepared for the Division of Building and Housing a Zoning Primer explaining the nature and advantages of zoning, which is an excellent example of an educational pamphlet and has been given large publicity in newspapers and magazines.

Nearly all the organizations listed on p. 17 are leading in promoting phases of city planning most closely allied to their respective fields.

The office of the Secretary of the National Conference on City Planning, 130 East 22d Street, New York, constantly aids in furthering educational work in city planning and keeps in touch with movements throughout the country.

## LANTERN SLIDES AND FILMS ON CITY PLANNING SUBJECTS

THE AMERICAN FEDERATION OF ARTS (Miss Leila Mechlin, Secretary, 1741 New York Ave., Washington, D. C.) has, in addition to a travelling exhibition on city planning, two lectures on Civic Art, with lantern slides. The Federation circular describes these as follows:

401. CIVIC ART: A. By Leila Mechlin, *Editor, American Magazine of Art*. A review of the best that has been done in city building in this country with reference to work of similar character abroad. What city planning means and how it embraces architecture, landscape architecture, sculpture, down to design of minor features such as lamp posts, pumps, trolley poles, etc., etc. A lecture purposed to arouse interest in town planning. *57 illustrations.*

402. CIVIC ART: B. By Leila Mechlin, *Editor, American Magazine of Art*. Differs from A in being confined entirely to examples in the United States — buildings, monuments, sculpture, parks, water-fronts, works of special worth and significance illustrating the most successful accomplishments, with brief comment. Originally prepared for use in Camps of the United States and French armies in France. *60 illustrations.*

To obtain a lecture and the slides, application should be made to the Secretary of the Federation, with payment of an advance rental fee of \$5.00. Transportation charges both ways should later be paid.

THE NATIONAL CONFERENCE ON CITY PLANNING also expects to undertake the circulation of three or four sets of slides on city planning at a nominal charge.

THE HOUSE BEAUTIFUL (8 Arlington St., Boston) Readers' Service has offered lantern slides on "The Town Beautiful" for a rental fee.

THE COMMITTEE ON PLAN OF NEW YORK AND ITS ENVIRONS (130 East 22d St., New York) has several sets of lantern slides which will be loaned in the New York region on payment of a small fee.

THE BUFFALO City Planning Association has excellent sets of slides for local loaning purposes, and similarly the CHICAGO Plan Commission, BOSTON Planning Board, CLEVELAND City Plan Commission, and PITTSBURGH Citizens Committee on City Plan have notable lantern slide collections.

THE CHICAGO PLAN COMMISSION prepared and used a moving-picture film entitled "A Tale of One City" which received widespread attention. The American City Bureau inaugurated in 1922 a CIVIC FILM SERVICE, Inc. (443 Fourth Ave., New York), starting with a zoning film called "Growing Pains." This film has met with marked success.

In England, THE MINISTRY OF HEALTH had a housing film prepared, to show the garden suburb type of development. Films of the British war housing developments were shown in Canada and the United States to accompany lectures by Mr. Thomas Adams.

The British center for town planning lantern slides for loan or purchase is the office of THE GARDEN CITIES AND TOWN PLANNING ASSOCIATION (3 Gray's Inn Place, London). In connection with its propaganda work it has assembled a large collection on garden cities and suburbs, and on many special phases of town planning.

## TWENTY-FIVE REFERENCES FOR A CITY PLANNING LIBRARY

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A convenient summary.
- BASSETT, EDWARD M. Zoning. [26 pages.] (National Municipal League, Technical Pamphlet Series no. 5, 1922.)  
The authoritative brief treatise on the subject.
- BIRD, CHARLES S., *Editor*. Town planning for small communities, by Walpole (Mass.) Town Planning Committee. New York, D. Appleton & Co., 1917. 492 pages. illus., plans. (National Municipal League Series.)
- COMEY, ARTHUR C. Regional planning theory, a reply to the British challenge. Cambridge, 1923. 18 pages. diagrams (part colored).  
An up-to-date exposition of the English garden city theory, the challenge referred to by Mr. Comey, will be found in *Town Theory and Practice*, edited by C. B. Purdom. London, Benn Bros., Ltd., 1921. 139 pages. illus.
- KNOWLES, MORRIS. Industrial housing, with discussion of accompanying activities; such as town planning, street systems, development of utility services, and related engineering and construction features. New York, McGraw Hill Book Co., 1920. 408 pages. illus., plans.
- KIMBALL, THEODORA, *Editor*. Municipal accomplishment in city planning and published city plan reports in the United States, from information assembled largely by the Detroit City Plan Commission. Published under the auspices of the National Conference on City Planning, Boston, 1920. 79 pages.
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- LEWIS, NELSON P. The planning of the modern city, a review of the principles governing city planning. With the assistance of Harold M. Lewis. 2d edition, revised. New York, John Wiley & Sons, 1923. 457 pages. illus., plans, diagrams. — First published 1916.  
Contains carefully verified information on American and foreign city planning practice.
- MOODY, WALTER D. What of the city? America's greatest issue — city planning, what it is and how to go about it to achieve success. Chicago, A. C. McClurg & Co., 1919. 441 pages. illus., plans.  
On the promotion of city planning with especial reference to the experience of Chicago.
- NATIONAL CONFERENCE ON CITY PLANNING. Proceedings, published by the Conference (130 East 22d St., New York City), 1910 to date. *Some volumes contain* illus.  
A valuable file of general and technical papers by representatives of the various professions engaged in city planning work, including engineers, landscape architects, architects, lawyers, realtors, social economists and municipal officials.



- NICHOLS, J. C. Real estate subdivisions, the best manner of handling them. 2d edition. Washington, American Civic Association, 1916. 15 pages. (Department of City Making, Series II, no. 5.) — First published Nov. 1912.
- NOLEN, JOHN, *Editor*. City planning; a series of papers (by seventeen specialists) presenting the essential elements of a city plan. New York, D. Appleton & Co., 1916. 447 pages. illus., plans. (National Municipal League Series.)
- . New ideals in the planning of cities, towns and villages. New York, American City Bureau, 1919. 138 pages. illus.  
A short, popular and readable book.
- PLAN OF NEW YORK AND ITS ENVIRONS, Russell Sage Foundation. The meeting of May 10, 1922. [25 pages.]  
Of great importance as a demonstration of regional planning ideals and technique. Contains addresses in behalf of planning, by Herbert Hoover, Elihu Root, and others. The organization for preparing comprehensive surveys and plans is more fully outlined in the *Report of Progress*, Plan of New York, May 1922–February 1923. 67 pages.
- PRAY, JAMES STURGIS, and THEODORA KIMBALL. City planning; a comprehensive analysis of the subject arranged for the classification of books, plans, photographs, notes and other collected material, with alphabetic subject index. Cambridge, Harvard University Press, 1913. 103 pages. (Used for the arrangement of the bibliography in this present *Manual*.)
- ROBINSON, CHARLES MULFORD. City planning, with special reference to the planning of streets and lots. New York, G. P. Putnam's Sons, 1916. 344 pages. photos, plans.  
Of especial importance in relation to the platting of residential districts.
- . The improvement of towns and cities or the practical basis of civic aesthetics, 5th revised edition. New York, G. P. Putnam's Sons, 1922. 313 pages. — First published 1901.
- . Modern civic art or the city made beautiful, 4th edition. New York, G. P. Putnam's Sons, 1918. 381 pages. illus. — First published 1903.  
An interpretation of civic ideals.
- SHURTLEFF, FLAVEL, and FREDERICK LAW OLMSTED. Carrying out the city plan, the practical application of American law in the execution of city plans. New York, Survey Associates, 1914. 349 pages. (Russell Sage Foundation.)  
Should be supplemented by F. B. Williams's *Law of City Planning and Zoning*.
- TAYLOR, GRAHAM ROMEYN. Satellite cities, a study of industrial suburbs. New York, D. Appleton & Co., 1915. 333 pages. illus., plans. (National Municipal League Series.)
- U. S. BUREAU OF INDUSTRIAL HOUSING AND TRANSPORTATION. Report of the United States Housing Corporation. Washington, Government Printing Office, 1919–20. 2 vols. illus., plans.  
Vol. I (1920), edited by James Ford: Organization, policies, transactions. 391 pages. — Vol. II (1919), edited by Henry V. Hubbard: Houses, site-planning, utilities. 524 pages. A valuable compendium of technical methods, fully illustrated.
- UNWIN, RAYMOND. Town planning in practice; an introduction to the art of designing cities and suburbs. London, T. F. Unwin, 6th impression, 1919. 416 pages. illus., plans. — First published 1909.  
The standard British work on the subject.

WACKER's manual of the plan of Chicago; municipal economy. Especially prepared for study in the schools of Chicago, Auspices of the Chicago Plan Commission, by Walter D. Moody. 2d edition, 1916. 137 pages. illus., plans. — First published 1912.

WAUGH, FRANK A. Rural improvement; the principles of civic art applied to rural conditions, including village improvement and the betterment of the open country. New York, Orange Judd Co., 1914. 265 pages. illus.

WILLIAMS, FRANK B. The law of city planning and zoning. New York, The Macmillan Co., 1922. 738 pages. (The Citizen's Library of Economics, Politics and Sociology — New Series, edited by R. T. Ely.)

The authoritative comprehensive work. A brief summary was published as Technical Pamphlet Series no. 8 of the National Municipal League, 1922.

*The following books which are out of print would be particularly useful additions to the city planning "library."*

ADAMS, THOMAS. Rural planning and development, a study of rural conditions and problems in Canada. Ottawa, Commission of Conservation, Canada, 1917. illus., plans.

HURD, RICHARD M. Principles of city land values. New York, Published by The Record and Guide, 1903. 159 pages. illus., plans. (All impressions, including latest, 1911, now out of print.)

*The following large and expensive folios contain many interesting illustrations.*

HEGEMANN, WERNER, and ELBERT PEETS. The American Vitruvius: an architects' handbook of civic art. New York, The Architectural Book Publishing Co., 1922. 298 pages. illus., plans.

MAWSON, THOMAS H. Civic art; studies in town planning, parks, boulevards and open spaces. London, B. T. Batsford, 1911. 375 pages. illus., plans.

## SHORT LIST OF TYPICAL AMERICAN CITY PLAN REPORTS

THE reports in this list have been selected to represent the various types of American city plan publications — comprehensive or on some special problem of city planning, prepared by a group of consultants or by a single specialist, proposals or records of accomplishment, notable as exemplifying general principles of city planning or as a collection of highly specialized illustrations or statistics useful to other municipalities facing similar special problems. In the period of more than two decades covered by the list, there has been a marked development of technique in the presentation of city plan reports, which may be readily gathered by the student through examination and comparison of the almost forty reports here mentioned, and also of some of those not mentioned, equally worthy of study, out of the very large number of plan reports already published in the United States.

- 1902 U. S. CONGRESS. SENATE COMMITTEE ON THE DISTRICT OF COLUMBIA. The improvement of the park system of the District of Columbia. I. — Report of the Senate Committee on the District of Columbia. II. — Report of the Park Commission. Edited by Charles Moore. Washington, Govt. Printing Office, 1902. 179 pages. illus., plates, maps (folded), plans. (57th Congress. 1st Session. Senate Report no. 166.)
- 1909 COMMERCIAL CLUB OF CHICAGO. Plan of Chicago prepared during the years MCMVI, MCMVII, and MCMVIII, by Daniel H. Burnham and Edward H. Bennett, architects; edited by Charles Moore. Chicago, 1909. 164 pages. illus., plates (part folded), plans, maps, diagrams. Many of the illustrations are colored renderings by Jules Guérin.
- MASSACHUSETTS. METROPOLITAN IMPROVEMENTS COMMISSION. Public improvements for the Metropolitan District. Report of the Commission on Metropolitan Improvements appointed under Resolves of 1907, chapter 108, to consider the subject. Boston, State Printers, 1909. 318 pages. plates, maps, and diagrams (part folded).
- 1910 OLMSTED, FREDERICK LAW. The improvement of Boulder, Colorado. Report to the City Improvement Association, March 1910. 106 pages.
- NEW HAVEN CIVIC IMPROVEMENT COMMITTEE. Report of the New Haven Civic Improvement Commission, Cass Gilbert, architect, Frederick Law Olmsted, landscape architect, to the New Haven Civic Improvement Committee, Dec. 1910. New Haven, Printed by the Tuttle, Morehouse & Taylor Company. 138 pages. illus., plans, tables, diagrams.
- 1911 OLMSTED, FREDERICK LAW. Pittsburgh main thoroughfares and the downtown district; improvements necessary to meet the city's present and future needs. Prepared under the direction of the Committee on City Planning. Adopted by the Commission, Dec. 1910. Published, 1911. 169 pages. illus., maps (1 folded), plan.

- 1911 **ROBINSON, CHARLES MULFORD.** Better Binghamton; a report to the Mercantile Press Club of Binghamton, N. Y., Sept. 1911. Cleveland, O., Printed by the J. B. Savage Co., 1911. 105 pages. illus., plates, folded map.
- KESSLER, GEORGE E.** A city plan for Dallas. Report of Park Board. [Dallas, Printed by the Southwestern Co., 1911.] 58 pages. illus., plates, plans (part folded).
- SEATTLE MUNICIPAL PLANS COMMISSION.** Plan of Seattle. Report of the Municipal Plans Commission, submitting report of Virgil G. Bogue, engineer, 1911. Seattle, Lowman & Hanford Co., [1911]. 191 pages. plates, plans, diagrams, folded maps (in pocket).
- 1913 **GOODRICH, E. P., and GEORGE B. FORD.** Housing report to the City Plan Commission of Newark, N. J. Report made for Mr. Goodrich and Mr. Ford by Dr. James Ford. Newark, 1913. 75 pages. plates, maps, tables.
- ARNOLD, BION J.** Report on the improvement and development of the transportation facilities of San Francisco. Submitted to the Mayor and the Board of Supervisors. San Francisco, [The Hicks-Judd Co.], 1913. 475 pages. illus., plates (including maps, plans, diagrams), tables.
- NEW YORK (CITY) HEIGHTS OF BUILDINGS COMMISSION.** Report to the Committee on the height, size and arrangement of buildings of the Board of Estimate and Apportionment of the City of New York. Dec. 23, 1913. 295 pages. illus.
- 1914 **BRUNNER, ARNOLD W., and CHARLES DOWNING LAY.** Studies for Albany. [New York, Bartlett-Orr Press], 1914. 101 pages. illus., plans (3 folded, 1 colored).
- NEW YORK (CITY) BOARD OF ESTIMATE AND APPORTIONMENT.** Development and present status of city planning in New York City. Being the report of the Committee on the City Plan, Dec. 31, 1914, together with papers presented at a meeting of the Advisory Commission on City Plan, Dec. 17, 1914. New York, The Board, 1914. 76 pages. illus., map, plans (folded).
- 1915 **CHICAGO ASSOCIATION OF COMMERCE.** Smoke abatement and electrification of railway terminals in Chicago. Report of the Chicago Association of Commerce, Committee on smoke abatement and electrification of railway terminals. Chicago, [Rand, McNally & Co.], 1915. 1177 pages. illus., plans, plates, diagrams (part folded, part colored).
- OLMSTED BROTHERS.** Report on a proposed parkway system for Essex County, N. J. Brookline, Mass., June 4, 1915. 84 pages. map.
- 1917 **MINNEAPOLIS CIVIC COMMISSION.** Plan of Minneapolis, prepared by Edward H. Bennett, architect; edited and written by Andrew Wright Crawford, Esq. Minneapolis, The Commission, 1917. 227 pages. illus., maps, plates and plans (part colored, part folded).
- NEW YORK (CITY) COMMISSION ON BUILDING DISTRICTS AND RESTRICTIONS.** Final (comprehensive) report, June 2, 1916. New York, Board of Estimate and Apportionment Committee on the City Plan, 1917. 299 pages. illus., maps (part folded), plans.

ST. LOUIS CITY PLAN COMMISSION. Problems of St. Louis, being a description, from the city planning standpoint, of past and present tendencies of growth, with general suggestions for impending issues and necessary future improvements. St. Louis, Mo., Nixon-Jones Printing Co., 1917. 140 pages. illus., plans (1 folded). Harland Bartholomew, city plan engineer.

This report was followed by a notable series of detailed studies, each published in a separate report, on major streets, recreation, zoning, public building group, housing, transit, and terminals.

1919 NOLEN, JOHN. City plan for Akron, prepared for Chamber of Commerce. [Cambridge, The University Press], 1919. 91 pages. illus., plans (part folded), diagrams.

Contains legal summary published in full in pamphlet by F. B. Williams entitled "Akron and its planning law."

MANNING, WARREN H. City plan of Birmingham. Published by subscription, Birmingham, Ala., 1919. 47 pages. illus., maps, plans, and charts (part folded).

FAIRMOUNT PARK ART ASSOCIATION. The Fairmount Parkway; a pictorial record of development from its first incorporation in the city plan in 1904 to the completion of the main drive from City Hall to Fairmount Park in 1919. Philadelphia, Fairmount Park Art Association, 1919. [30 pages.] illus., plans, sections.

1920 HAYNES, ROWLAND, and STANLEY P. DAVIES. Public provision for recreation. Cleveland, Cleveland Foundation Committee, 1920. 198 pages. illus., maps, tables. (Cleveland Recreation Survey.)

NOLEN, JOHN, and BION J. ARNOLD. The city plan of Flint, Michigan, as approved by the City Planning Board and accepted by the Common Council. Flint, Published by the City Planning Board, 1920. 95 pages. illus., maps (folded), plans, diagrams.

CALIFORNIA RAILROAD COMMISSION. ENGINEERING DEPARTMENT. Report on railroad grade crossing elimination and passenger and freight terminals in Los Angeles. Los Angeles, 1920. 587 pages. illus., maps and diagrams (part folded and part colored). Richard Sachse, chief engineer.

MILWAUKEE BOARD OF PUBLIC LAND COMMISSIONERS. Zoning for Milwaukee. Tentative report of Board of Public Land Commissioners, June 1920. 56 pages. illus., maps, plan (folded). Arthur C. Comey, consultant.

NEW YORK, NEW JERSEY PORT AND HARBOR DEVELOPMENT COMMISSION. Joint report with comprehensive plan and recommendations. Albany, J. B. Lyon Co. (State Printers), 1920. 495 pages. illus., maps (part folded), plans, diagrams.

BARTHOLOMEW, HARLAND. The city plan of Hamilton, Ohio, Published by the Chamber of Commerce, 1920. 66 pages. illus., plans.

Legal section by Alfred Bettman.

1921 CLEVELAND CITY PLAN COMMISSION. The Cleveland zone plan, report to the City Plan Commission outlining tentative zone plan for Cleveland, by Robert H. Whitten and Frank R. Walker, City Plan advisers, 1921. 23 pages. illus., plans, cartoons.

CITIZENS COMMITTEE ON CITY PLAN OF PITTSBURGH. A major street plan for Pittsburgh, a part of the Pittsburgh plan. Issued by the Committee, Sept. 1921. 65 pages. illus., plans (part folded). Frederick Bigger and Harland Bartholomew, consultants.

- 1921 PORTLAND (ORE.) CITY PLANNING COMMISSION. Major traffic street plan, boulevard and park system for Portland, Ore., 1921. 97 pages. illus., maps, folded plan. (Bulletin no. 7 of the Commission.) Charles H. Cheney, consultant.
- 1922 BARTHOLOMEW, HARLAND. The Lansing plan, a comprehensive city plan report (to City Plan Commission) for Lansing, Mich. [1921, published 1922.] 62 pages. illus., plans (1 folded).
- EAST ORANGE CITY PLAN COMMISSION. City plan for East Orange, Essex County, N. J., prepared by the City Plan Commission. New York, Technical Advisory Corporation, 1922. 80 pages. illus., plans (part folded), tables.
- FALL RIVER (MASS.) PLANNING BOARD. Report of the Planning Board; Report of Arthur A. Shurtleff, Town Planner. Boston, The Pinkham Press, 1922. 43 pages. illus., plans. *folio*.  
John P. Fox, consultant on zoning.
- PATERSON (N. J.) CITY PLAN COMMISSION. The thoroughfares and traffic of Paterson. A report prepared by Herbert S. Swan. Approved by City Plan Commission, Jan. 20, 1922. 82 pages. illus., plans.  
Followed by second report on Separation of Street and Railroad Grades, by H. S. Swan and A. W. Tuttle, also published 1922.
- ST. PAUL CITY PLANNING BOARD. Plan of St. Paul, the capital city of Minnesota; Edward H. Bennett and William E. Parsons, consultant city planners; George H. Herrold, city plan engineer. Submitted to the citizens of St. Paul by the City Planning Board. Published by the Commissioner of Public Works, 1922. 64 pages. illus., plans (part folded), diagrams.
- SPRINGFIELD (MASS.) PLANNING BOARD. A city plan for Springfield, Mass. Progress report by the Planning Board, May 1922. 59 pages. photos, plans, diagrams. Technical Advisory Corporation, consulting engineers. F. L. Olmsted, special adviser.  
The forthcoming final report will contain extensive information on city planning technique.
- 1923 NORWOOD (MASS.) TOWN PLANNING BOARD. Report to the citizens of the town, 1923. — Report of Arthur A. Shurtleff, Town Planner. — Supplementary reports: Zoning, by John P. Fox. — Civic centers, by Harry J. Carlson. — Legal aspects, by Flavel Shurtleff. 40 pages. illus., diagrams, folded map and plan.

## UNIVERSITIES, COLLEGES, AND TECHNICAL SCHOOLS OFFERING INSTRUCTION IN CITY PLANNING

THE HARVARD UNIVERSITY SCHOOL OF LANDSCAPE ARCHITECTURE, where graduate instruction in City Planning was first offered in 1910, announced in May 1923, a full technical course in City Planning leading to the master's degree in that specially designated field (M.L.A. in *City Planning*). This new option in City Planning comprises several of the courses in this subject already given in the School, amplified and arranged to give a more intensive technical training. Professor J. S. Pray, Chairman of the School, and Professor H. V. Hubbard, both members of the American City Planning Institute, will continue their instruction aided by the present staff of the School. Distinguished practitioners of city planning from outside the University will also give lectures. The Library of the School has for some time been considered the national center of information on city planning, and, with the recent addition of the Charles Mulford Robinson Memorial City Planning Library, gives unequalled opportunities for research.

The Chair of Civic Design at the UNIVERSITY OF ILLINOIS was founded in 1913 and was occupied by Charles Mulford Robinson as Professor of Civic Design until his untimely death in December 1917. Since that date undergraduate instruction in city planning has remained a regular part of the work in the Department of Landscape Gardening. Mr. Harland Bartholomew, City Plan Engineer, of St. Louis, has been appointed Associate Professor of Civic Design (non-resident) and makes periodic visits to the University to conduct his instruction.

In addition to the courses in city planning offered at Harvard University and the University of Illinois, the following institutions announce city planning lectures or class work:

UNIVERSITY OF CALIFORNIA.  
COLUMBIA UNIVERSITY.  
CORNELL UNIVERSITY.  
DARTMOUTH COLLEGE.  
IOWA STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS.  
JOHNS HOPKINS UNIVERSITY.  
KANSAS STATE AGRICULTURAL COLLEGE.  
UNIVERSITY OF MARYLAND.  
MASSACHUSETTS AGRICULTURAL COLLEGE.  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY.  
UNIVERSITY OF MICHIGAN.  
OHIO STATE UNIVERSITY.  
OREGON STATE AGRICULTURAL COLLEGE.  
UNIVERSITY OF OREGON.

PENNSYLVANIA STATE COLLEGE.

UNIVERSITY OF PENNSYLVANIA.

PURDUE UNIVERSITY.

SYRACUSE UNIVERSITY.

AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS.

THROOP COLLEGE OF TECHNOLOGY.

STATE COLLEGE OF WASHINGTON.

UNIVERSITY OF WISCONSIN.

In England technical courses in town planning are given at the University of Liverpool, Department of Civic Design, and at the University of London. In Paris the École des Hautes Études Urbaines conducts a course in *Urbanisme*, and similar instruction is being instituted in Belgium. The Technische Hochschule in Berlin has one of the oldest courses in city planning.

Canada, Australia, New Zealand, and other parts of the world are also active in introducing the subject into their Universities.

*For references to published articles on instruction in city and town planning, see page 83.*



SELECTED LIST OF STUDENTS' THESES ON CITY PLANNING SUBJECTS

*Prepared under the direction of Professor James Sturgis Pray  
In connection with the City Planning Course at the*

HARVARD UNIVERSITY SCHOOL OF LANDSCAPE ARCHITECTURE

*Bound manuscript with illustrations, available for consultation at the Library of the  
School of Landscape Architecture, Robinson Hall, Cambridge, Mass.*

- | DATE | LIST FURNISHED BY J. S. PRAY  |
|------|---|
| 1910 | HARE, S. H. The city block.<br>PHILLIPS, W. L. The effect of successive improvements in the means of transportation upon street plans of cities.<br>POND, B. W. Report on the historical development of civic waterfronts.  |
| 1913 | McCRARY, I. J. Principles of city planning as applied to small towns of New England.<br>SMITH, F. B. The interiors of city blocks.<br>WEIRICK, R. F. The esthetic treatment of a city's waterfront, with especial reference to the grouping of public buildings on river banks.   |
| 1914 | BEAL, R. W. Footways in cities.<br>BLANEY, H. W. Planning for freight transportation within the city.   |
| 1915 | FLINT, H. L. The business district in the city plan.<br>JOHNSTON, D. B. The market-place in the light of its historical development.<br>MORRISON, B. Y. A study of the minor architectural features of civic decoration, especially fountains and monuments.<br>PEARSE, R. J. The work of certain unofficial agencies for city planning.<br>PEETS, E. Design aspects of city street trees.<br>WHITE, S. H. Street design in relation to topography. |
| 1917 | BLANCHARD, R. W. What can city planning do to prevent the American slum?<br>CORNELL, R. D. Land subdivision into high class residential property.<br>SMITH, F. B. Garden city movement in England and in the United States. (Traveling Fellowship report.)  |
| 1918 | SMITH, J. H. The planning of industrial communities with special reference to the stabilization of employment.<br>ZEHRUNG, S. D. Planning health and pleasure resorts.  |
| 1920 | SEARS, W. R. Alleys.<br>STRONG, W. A. Parking spaces for motor vehicles in cities.<br>WALKER, H. J. A study of street vistas in town planning.  |
| 1921 | AUGUR, T. B. Garden cities for America, a logical step in industrial and urban progress.<br>FRENCH, P. Building lines.<br>GARDNER, K. A. Zoning.<br>INGALLS, G. F. City approaches.<br>LEE, G. H. The preservation of the individuality of cities.<br>WHITNEY, J. F. City boundaries.   |

- 1922 CRAM, R. N. New England town commons, based on the study of certain Massachusetts examples.
- ZACH, L. H. Promoting city planning: the extent, methods and success of city planning publicity and educational campaigns in this country.
- 1923 DILL, M. H. Leftover areas in city plats.
- ELIOT, C. W., 2d. How city planning pays.
- HEAD, F. Bridges: their location in relation to the city plan.
- SIAS, R. D. The residential lot as a factor determining the block, with special reference to its depth.
- STEVENSON, M. Waterfront possibilities of cities with special regard to their recreational advantages.

## MUNICIPAL APPROPRIATIONS FOR THE WORK OF CITY PLANNING COMMISSIONS

*Prepared by FLAVEL SHURTLEFF, Secretary, National Conference on City Planning*

### CITIES OF 300,000 AND OVER

In order of population	1920	1921	1922	1923
Chicago .....	\$30,000.00	\$30,000.00	\$40,000.00	\$40,000.00
Detroit .....	50,000.00	42,040.00	27,771.66	27,360.00
Cleveland .....	28,580.00	35,100.00	7,500.00	5,000.00
St. Louis .....	20,200.00	18,888.03	20,596.00	21,850.00
Boston .....	8,002.97 <sup>1</sup>	7,313.12	17,072.56 <sup>2</sup>	32,192.88 <sup>3</sup>
Pittsburgh .....	30,100.00	25,815.00	26,670.00	27,360.00
Los Angeles .....	10,806.67	18,407.00	20,415.00	21,901.00
Buffalo .....	18,940.00	20,840.00	20,600.00	20,820.00
Cincinnati <sup>4</sup> .....	....	....	....	....
Minneapolis .....	....	....	40,000.00 <sup>5</sup>	....
Indianapolis <sup>6</sup> .....	....	....	24,000.00	26,360.00

### CITIES OF 100,000 TO 300,000

	1920	1921	1922	1923
Rochester, N. Y. ....	\$25,400.00	\$26,000.00	\$26,000.00	\$21,000.00
Portland, Ore. ....	5,000.00	....	....	6,500.00
St. Paul, Minn. ....	25,000.00	25,000.00	12,780.00	12,780.00
Omaha, Neb. ....	....	....	....	4,000.00 <sup>7</sup>
Syracuse, N. Y. ....	5,000.00	10,000.00	7,600.00	4,425.00
New Haven (see next page)	....	....	....	....
Dallas, Texas .....	....	....	6,000.00	....
Grand Rapids, Mich. ....	150.00	12,500.00	14,450.00	14,890.00
Paterson, N. J. ....	....	22,700.00	5,000.00	3,300.00
Youngstown, Ohio .....	6,600.00	8,700.00	4,630.00	3,100.00
Utica, N. Y. ....	....	6,024.00	7,944.00 <sup>7</sup>	7,997.00 <sup>7</sup>
Troy, N. Y. ....	....	4,500.00	11,000.00 <sup>7</sup>	3,000.00

<sup>1</sup> Plus \$2,000 for investigation of housing conditions.

<sup>2</sup> Plus \$10,000 for preliminary work on zoning and a comprehensive city plan.

<sup>3</sup> Includes \$25,000 for comprehensive city plan and zoning.

<sup>4</sup> The Technical Advisory Corporation of New York has been employed to make a city planning report. For this purpose \$90,000 is being raised by the city planning committee, a voluntary organization.

<sup>5</sup> Appropriation for the years 1922 and 1923.

<sup>6</sup> All Indiana cities have a minimum appropriation of 3 mills on the dollar of assessed valuation if they have a city plan commission.

<sup>7</sup> Includes appropriation for zoning.

	CITIES UNDER 100,000			
	1920	1921	1922	1923
Allentown, Pa. ....	\$1,300.00	\$800.00	\$500.00	\$2,000.00
Anderson, Indiana <sup>1</sup> .....	.....	.....	.....	.....
Ashtabula, Ohio .....	.....	.....	2,000.00	7,500.00
Brookline, Mass. ....	600.00	1,100.00 <sup>2</sup>	1,500.00 <sup>2</sup>	700.00
Canton, Ohio .....	.....	.....	.....	3,000.00
Dayton, Ohio .....	200.00	50.00	.....	.....
Easton, Pa. ....	300.00	300.00	300.00	300.00
East Orange, N. J. ....	5,750.00	5,000.00	.....	.....
Elizabeth, N. J. ....	.....	.....	.....	7,500.00
Flint, Michigan .....	7,021.97	6,132.62	4,418.77	6,085.00
Framingham, Mass. ....	500.00	500.00	500.00	500.00
Gary, Indiana .....	.....	5,000.00	9,000.00	1,000.00
Green Bay, Wis. ....	12,000.00	.....	.....	200.00
Greensboro, N. C. ....	.....	.....	10,000.00 <sup>2</sup>	.....
Hartford, Conn. ....	100.00	100.00	50.00	50.00
Natick, Mass. ....	700.00	580.00	200.00	800.00
New London, Conn. ....	.....	.....	250.00	250.00
Perth Amboy, N. J. ....	.....	2,500.00	2,500.00	4,500.00
Quincy, Mass. ....	250.00	250.00	250.00	250.00
Rock Island, Ill. ....	3,500.00	.....	1,500.00	.....
Scranton, Pa. ....	1,000.00	1,000.00	1,000.00	1,000.00
Shreveport, La. ....	.....	.....	5,000.00	.....
Sioux City, Iowa .....	.....	.....	6,500.00	1,200.00
South Bend, Indiana ....	.....	.....	3,500.00	11,000.00
Taunton, Mass. ....	300.00	300.00	300.00	300.00
Topeka, Kansas .....	.....	3,000.00	5,000.00	5,000.00
Walpole, Mass. ....	.....	.....	.....	100.00
Waltham, Mass. ....	.....	.....	.....	1,000.00
Wichita, Kansas .....	.....	.....	18,000.00 <sup>3</sup>	.....
York, Pa. ....	100.00	700.00	5,000.00	5,000.00

#### APPROPRIATIONS FOR ZONING, PRIMARILY FOR EXPERT WORK

Albany, New York .....	\$15,000.00
Buffalo, N. Y. ....	11,000.00
Chicago, Illinois .....	155,300.00
Clinton, Mass. ....	2,500.00 <sup>4</sup>
Decatur, Illinois .....	2,000.00
Elizabeth, New Jersey .....	8,800.00
Malden, Mass. ....	1,500.00
New Haven, Conn. ....	25,000.00 <sup>5</sup>
Quincy, Mass. ....	1,500.00
Rockford, Illinois .....	2,500.00
Scranton, Pa. ....	5,000.00

<sup>1</sup> City Planning Engineer's salary paid out of other appropriations.

<sup>2</sup> Includes item for zoning. <sup>3</sup> Includes appropriation for zoning.

<sup>4</sup> In 1924 appropriation for \$2,500 will be asked.

<sup>5</sup> These amounts include also a regional survey and highway traffic plan.

## BIBLIOGRAPHY

A SELECTED LIST OF REFERENCES COVERING THE FIELD  
OF CITY PLANNING

*Arranged according to a revision of CITY PLANNING, a Comprehensive Analysis, by J. S. Pray  
and T. Kimball. Published by The Harvard University Press, 1913*

*A Subject Index to the Bibliography will be found on p. 177.*



# OUTLINE OF THE BIBLIOGRAPHY

## ARRANGED IN CLASSIFIED FORM

NOTE: Gaps in serial numbering merely indicate places left in the Classification Scheme for expansion. Reference numbers here used are the first in the series for the given subject.

BIBLIOGRAPHY . . . . .	0
PERIODICALS . . . . .	2
SOCIETIES . . . . .	21
CONGRESSES. CONFERENCES. EXHIBITIONS . . . . .	40
COLLECTED WORKS AND ENCYCLOPEDIAS . . . . .	180
BIOGRAPHY . . . . .	205
HISTORY . . . . .	210
European . . . . .	
Ancient . . . . .	215
Mediaeval . . . . .	225
Modern . . . . .	230
Oriental . . . . .	235
American . . . . .	240
GENERAL WORKS . . . . .	250
Brief General Papers . . . . .	270
CITY PLANNING MOVEMENT . . . . .	500
Educational and Publicity Campaigns . . . . .	540
LEGISLATION. LAWS AND COURT DECISIONS . . . . .	700
Creative . . . . .	
General Planning Laws . . . . .	707
Creation of City Planning Agencies . . . . .	714
Acquisition of Public Property. Condemnation . . . . .	722
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## PERIODICALS

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9th, Kansas City, Mo., 1917.

10th, St. Louis, 1918.

11th, Niagara Falls and Buffalo, 1919.

12th, Cincinnati, 1920.

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14th, Springfield, Mass., 1922.

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**25 Garden Cities and Town Planning Association, London.** [Reports, etc.]

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**Shurtleff, F.** Six years of city planning in the United States. (*In Proceedings of 7th National Conference on City Planning*, 1915, p. 33-41.)

**Waugh, F. A.** A comparison of town plans. (*Landscape Architecture*, July 1921; vol. 11, p. 161-166. plans. Editorial, p. 203.)

On New England.

The history of city planning in the last twenty-five years may be traced in the congresses and exhibitions, *see* 40 ff. For current information as to conditions in various countries, *see* p. 26 ff.

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Prepared for use in Great Britain. *See also* 210, 812.2.

**Cadbury, G., Jr.** Town planning, with special reference to the Birmingham schemes. London, Longmans, Green & Co., 1915. 201 p. illus., plans.

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**Robinson, C. M.** City planning, with special reference to the planning of streets and lots. New York, G. P. Putnam's Sons, 1916. 344 p. illus., plans.

— The improvement of towns and cities; or, The practical basis of civic aesthetics. New York, G. P. Putnam's Sons. 4th rev. ed., 1913, reprinted 1922. 313 p. — First ed., 1901.

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The historic early work, especially known for its theory of zoning.

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Text in Japanese. A summary of city planning in Japan, Europe, and the United States.

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*Outlines*

**254 Pray, J. S., and T. Kimball.** City planning; a comprehensive analysis of the subject arranged for the classification of books, plans, photographs, notes, and other collected material, with alphabetic subject index. Cambridge, Harvard University Press, 1913. 103 p.

The outline used for arranging the bibliography in this *Manual*.

**Union Internationale des Villes**, *see* 190, for elaborate outline of city planning published as preliminary announcement of the Encyclopédie.

*Collected Papers*

*See also* 40

265 **American Academy of Political and Social Science**. Housing and town planning. Philadelphia, The Academy, 1914. 296 p. (Annals, vol. 51.)

A group of papers by specialists.

**Nolen, J., ed.** City planning; a series of papers presenting the essential elements of a city plan. New York, D. Appleton & Co., 1916. 447 p. illus., plans. (National Municipal League Series.)

Seventeen essays by Messrs. Olmsted, Nolen, Williams, Bouton, Bennett, Comey, Goodrich, A. A. Shurtleff, Saville, Wadsworth, Haldeman, Davies, G. B. Ford, J. Ford, F. Shurtleff, Robinson, and McFarland, with a brief biographical sketch of each. Bibliographies accompany each essay.

*Brief General Papers*

*See also* p. 3 of this Manual

270 **Adams, T.** Some town planning principles restated. (American City, Mar. 1915; vol. 12, p. 213-216.)

**Adsheed, S. D.** An introduction to civic design. (Town Planning Review, April 1920; vol. 1, p. 3-17.)

**Bartholomew, H.** The principles of city planning. (American City, May 1922; vol. 26, p. 457-461. illus.)

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**Bushnell, H.** City plans. (In his Work and play, New York, C. Scribner, 1864, p. 308-336.)

**Eldridge, T. B.** What city planning means to Raleigh. (American City, Aug. 1922; vol. 27, p. 143-145. plans.)

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**Knowles, M.** Setting up a city plan program. (In 7th Yearbook of City Managers' Association, 1921, p. 112-121.)

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**Olmsted, F. L., Jr.** City planning. (In Nolen, J., ed., City planning, 1916, p. 1-18.)

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**Unwin, R.** What is town planning?; an extract from a lecture. (Garden Cities and Town Planning, Jan. 1912; n.s. vol. 2, p. 11-15.)

**Waterhouse, P.** The problem of the development of cities. (Journal of the Royal Institute of British Architects, Nov. 1918; vol. 26, p. 9-12. diagr.)

**Wetherell, F. E.** Town planning. Issued by Iowa Town Planning Association. [1922.] Mimeographed. 22 p.

300 **Adams, T.** Town planning terms: the use of the word "zoning." (Garden Cities and Town Planning, Aug. 1921; vol. 11, p. 183-184. diagr.)

Also in American City, Sept. 1921; vol. 25, p. 213.

310 **Lasker, B.** What constitutes a city plan? Summary statement . . . embodying the essential principles of city planning. (Survey, Feb. 19, 1921; vol. 45, p. 734.)

**Lewis, N. P.** [Definitions of city planning and] Elements of a city plan. (In his Planning of the modern city, 1916 and 1923, p. 9-11, 44-53.)

**Olmsted, F. L., Jr.** Principles of city planning: introductory statement. Boston, 1920, (American City Planning Institute Papers no. 1.)

Also in Landscape Architecture, July 1920; vol. 10, p. 172-174.

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**Stein, C. S.** Community planning and housing: recommendations of the American Institute of Architects. (Journal of the American Institute of Architects, Dec. 1921; vol. 9, p. 399-400.)

**322 Kimball, T.** Personality and human beings in town-planning work. (American City, June 1920; vol. 22, p. 609.)

**CITY PLANNING MOVEMENT**

For Societies, Conferences, Congresses, and Exhibitions, see 21 ff.

**500 Gale, Z.** Civic improvement in the little towns. Washington, Mar. 1913. 28 p. (American Civic Association Department of city making. Series II, no. 7.)

**James, H.** Where to begin in town improvement. (National Municipal Review, May 1921; vol. 10, p. 274-277.)

On garden and street tree planting as leading to interest in larger civic improvements.

**Lewis, N. P.** Sequence of operations in city planning work. (In Proceedings of 13th National Conference on City Planning, 1921, p. 1-5.)

**Nolen, J.** Getting action in city planning. (In Proceedings of 13th National Conference on City Planning, 1921, p. 162-175.)

A very useful summary.

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**Robinson, C. M.** Work of individuals and societies. (In his Improvement of towns and cities, 1913, etc., p. 253-270.)

**Wacker, C. H.** Gaining public support for a city planning movement. (In Proceedings of 5th National Conference City Planning, 1913, p. 222-243.)

**Waugh, F. A.** Improvement programs; Organization and management. (In his Rural improvement, 1914, p. 224-259. illus.)

**510 Farwell, P. T.** A typical village improvement society; Other improvement societies. (In his Village improvement, 1913, p. 13-58. illus.)

**513 Abercrombie, P.** A civic society; an outline of its scope, formation and functions. (Town Planning Review, Apr. 1920; vol. 8, p. 79-92.)

**Hiatt, I. B.** Realtors are community builders, President's address before Executive Committee, National Association of Real Estate Boards. (National Real Estate Journal, Mar. 27, 1922; vol. 23, no. 7, p. 24-25.)

**Jones, H. V.** Resumé of activities of committee on city planning, National Association of Real Estate Boards; remarkable progress in city planning and zoning. (National Real Estate Journal, May 8, 1922; vol. 23, no. 10, p. 39-40.)

**515 Clay, S. H.** City building. A citation of methods in use in more than one hundred cities for the solution of important problems in the progressive growth of the American municipality. Cincinnati, Clark Publishing Co., 1913. 164 p.

**Ford, G. B.** Chambers of commerce and city planning. (American City, May 1914; vol. 10, p. 448-449.)

**Goodwin, E. H.** Chambers of commerce and city planning. (In Proceedings of 13th National Conference on City Planning, 1921, p. 187-194.)

**Kinsloe, J. R.** A city plan and how to get it; the secretary's part. La Crosse, Wisconsin Association of Commercial Secretaries, 1919. 11 p.

**EDUCATIONAL AND PUBLICITY CAMPAIGNS**

For information on lantern slides for city planning lectures, see p. 38.

**540 Ball, C. B.** The promotion of zoning in Chicago. (American City, Jan. 1923; vol. 28, p. 11-14. illus.)

**Bartholomew, H.** Publicity and the city plan. (American City, Nov. 1914; vol. 11, p. 380-382.)

In Newark, N. J.

**Brainerd, H. B.** Effective publicity aids Cleveland city plan. (American City, Aug. 1921; vol. 25, p. 127-128. illus.)

**Buettner, L. J.** Making the city plan effective. (American City, Apr. 1922; vol. 26, p. 323-326. illus.)

Based on his experience in Johnstown, Pa.

**Kimball, T.** Helps in conducting publicity campaigns for zoning. (Landscape Architecture, July 1922; vol. 12, p. 274-277.) Also preprinted.

A revision of this may be found on p. 33.

**Kingsley, S. C.** Methods of winning public support for a city planning program. (*In Proceedings of 14th National Conference on City Planning, 1922, p. 174-181.*)

**MacNeille, P. R.** The campaign for a civic center in Summit, N. J. (*American City, Oct. 1922; vol. 27, p. 350-352. plan, diagr.*)

**Madison, C. I.** Introducing the community (Boulder, Colo.) to the citizens. (*American City, Mar. 1922; vol. 26, p. 241-242. illus.*)

**Moody, W. D.** What of the city? America's greatest issue — City planning what it is and how to go about it to achieve success. Chicago, A. C. McClurg & Co., 1919. 441 p. illus., plans.

The first extensive treatise on the "promotion" of city plans, giving fully the experience of Chicago.

**Popularizing the city planning principle.** Discussion. (*In Proceedings of 4th National Conference on City Planning, 1912, p. 168-172.*)

**Robinson, C. M.** Popular education in art. (*In his Improvement of towns and cities, 1913, etc., p. 237-252.*)

**Schaaf, A. H.** A state campaign for city planning. (*In Proceedings of 9th National Conference on City Planning, 1917, p. 133-138.*)

The campaign in Indiana, led by real estate men.

**Woodward, S.** Methods of winning public support for a city planning program. (*In Proceedings of 14th National Conference on City Planning, 1922, p. 182-185.*)

The experience of Worcester, Mass.

The educational campaigns conducted in Chicago, Pittsburgh, Cleveland, Baltimore, Johnstown, Buffalo, St. Louis, and Dallas might be especially mentioned; also the state-wide work of the Ohio State Conference on City Planning, Iowa Town Planning Association, Massachusetts Federation of Planning Boards, and Chicago Real Estate Association in Illinois, 1921. The national campaign conducted by the Canadian Commission of Conservation (*see 2*) resulted in the formation of provincial and local organizations to promote town planning, such as the Ontario Town Planning Association, etc. The propaganda work of the Garden Cities and Town Planning Association, London, is described in its monthly magazine, *see 2*.

**543 Film on zoning wins wide-spread approval.** (*American City, Jan. 1923; vol. 28, p. 60.*)

*See also p. 38.*

**National Conference on City Planning.** The use of moving pictures in city planning — Committee report by E. H. Bennett, L. Veiller, H. S. Swan. (*In its 13th Proceedings, 1921, p. 183-186.*)

**New York (City) Municipal Reference Library.** Visualizing citizenship [study of motion pictures from a civic standpoint] by Ina Clement. New York, 1920. (Supplement, Part II, to Municipal Reference Library Notes, June 23, 1920, p. 283-309.)

The Chicago Plan Commission's film "Tale of One City" is described in **Moody**, *see 540*.

**544 Buffalo City Planning Association.** Bulletins. 1922. illus., plans.

Part of an intensive educational campaign. An account of the work of the Association is given in paper by C. J. Hamlin in Proceedings of National Conference on City Planning, 1922.

**Citizens Committee on City Plan of Pittsburgh,** organized to promote city planning in the Pittsburgh district. [Publications including monthly magazine *Progress*, fliers, etc., 1919 to date.]

**City planning** tabloids — Boston Chamber of Commerce campaign. (*American City, Feb. 1914; vol. 10, p. 166.*)

**Cleveland City Plan Commission.** [Reports and fliers.] 1919-21.

Of especial interest for their illustrations and popular appeal.

**Flint, K. R. B.** Town planning; a program of civic preparedness for Vermont communities. *Norwich University Record, Feb. 8, 1919; vol. X, no. 19. [Northfield, Vt.] 70 p.* (*Norwich University studies, Political Science Series, no. 2.*)

An educational bulletin which various state officials concerned in questions of rural and town planning helped to prepare.

**Grinnalds, J. C.** [Series of articles on city planning and zoning.] (*Municipal Journal, Baltimore, 1920 to date.*)

**Wacker, C. H.** An appeal to business men; Provide work now for the unemployed; Relation of national prosperity to city planning; Business and the Chicago plan. Chicago, The Plan Commission, [1921]. 17 p.

*Educational and Publicity Campaigns (cont.)*

546 An effective exhibition of a community survey — Springfield, Ill. (American City, Feb. 1915; vol. 12, p. 95-100. illus.)

See also 50.

Extension work in landscape architecture — a symposium. (Landscape Architecture, Jan. 1922; vol. 12, p. 61-94.)

Summarizes work of a number of public agencies for civic improvement.

548 Ackerman, F. L. City planning in schools; from address, "The architectural side of city planning," delivered at National Conference on City Planning, 1915. (Real Estate Magazine, Oct. 1915; vol. 6, p. 92-94.)

Beck, M. L. City planning; Garden cities. (In her Better citizenship through art training Chicago, A. C. McClurg & Co., 1921, p. 13-33.)

Intended as a syllabus for high schools or study clubs.

Buettner, L. J., see 540.

Hughes, R. O. The planning of the community. (In his Community civics, Boston, Allyn and Bacon, 1917, p. 28-71. illus., plan.)

James, H. The building of cities. New York, Macmillan Co., 1917. 201 p. illus. (Everychild's Series.)

Conversational text for class-room use.

Moody, W. D. Wacker's manual of the plan of Chicago; municipal economy. Especially prepared for study in the public schools of Chicago, auspices of the Chicago Plan Commission [Chicago, Printed by H. C. Sherman], 1912. 147 p. illus., plans. — 2d rev. ed., 1916.

Accompanied by Teachers' Hand-book, 110 p.

New York (City) Board of Education. Syllabus for high schools: first year civics. Adopted by the Board of Superintendents, June 1919. City planning, p. 38-40; Civic beauty, p. 41-44.

— Tentative syllabus for high schools: Civic activities. Adopted Sept. 14, 1922. City planning, p. 29; Civic beauty, p. 30.

Newark, N. J., Board of Education. [Municipal civic leaflets.] Issued for the study of Newark in the schools of Newark, N. J. No. 23, City planning, 1912, 6 p.

Nolen, J. The planning of cities, towns and villages; outlines of lectures. U. S. Army Educational Commission, Dept. of Citizenship, Bureau of Housing and Community Planning, 1919. 10 p.

See also Nolen, New Ideals, 250.

Taylor, C. K. How would you plan a city? (St. Nicholas, Aug. 1920; vol. 47, p. 917-919. plans.)

The results of a class study of city planning told for children.

## LEGISLATION

## Laws and Court Decisions

700 Williams, F. B. The law of city planning and zoning. New York, Macmillan Co., 1922. 738 p. (The Citizen's Library of Economics, Politics and Sociology — New Series. Edited by R. T. Ely.)

The authoritative comprehensive treatise on the subject. Contains bibliography and tables of statutes. Main contents:

Planning the city as a whole. — Planning the public features, including excess condemnation, zone condemnation, and replotting. Public utilities, the waterfront, streets, setbacks, and traffic regulations. — Planning the private features (zoning). — City planning finance. — Planning for the promotion of beauty. — Planning administration.

The subjects covered in this book will be kept up to date by Mr. Williams's monthly column in the *American City* from June 1923.

Adams, T. Need for a constructive policy in regard to town planning. (City Plan, June 1915; vol. 1, no. 2, p. 2-6.)

Discusses the type of legislation desirable.

— The need of town-planning legislation and procedure for control of land as a factor in house-building development. (Journal of the American Institute of Architects, Feb., Mar. 1918; vol. 6, p. 68-70, 135-137.)

Aldridge, H. R. Compulsory town planning; paper read before the Town Planning Institute. (Garden Cities and Town Planning, Feb. 1916; vol. 6, p. 25-32.)

Bassett, E. M. Constitutional limitations on city planning powers. (In Proceedings of 9th National Conference on City Planning, 1917, p. 199-214; with discussion, p. 214-227.) Also reprinted as Bulletin no. 10 of the Conference.



**Chandler, H. P.** The attitude of the law toward beauty. *See* 1235.

The legal aspects of city planning; including discussion and paper by A. W. Crawford: Certain principles of a uniform city planning code. (*In* Proceedings of 3d National Conference on City Planning, 1911, p. 229-260.)

**McBain, H. L.** American city progress and the law. New York, Columbia University, 1918. 269 p.

Intended to show how the law as it stands facilitates or obstructs cities in applying new policies to existing problems. Several chapters relate to the field of city planning.

**Massachusetts Federation of Planning Boards.** Massachusetts city and town planning law. 48 p. (Bulletin no. 9, Aug. 1921.)

An excellent example of a convenient compilation of laws of a given state for the use of its local planning boards.

**National Conference on City Planning.** Report of the Committee on Legislation. (*In* its 5th Proceedings, 1913, p. 247-259.)

Drafts of recommended acts. *See also* earlier discussion at 1912 Conference, 770.

**Shurtleff, F., and F. L. Olmsted, Jr.** Carrying out the city plan; the practical application of American law in the execution of city plans. New York, Survey Associates, 1914. 349 p. (Russell Sage Foundation Publications.)

**Singapore Improvement Trust.** Legislation Committee, Town Planning and Housing, etc. Memorandum by the Deputy-Chairman on legislative powers and methods of some other countries. Singapore, [1921]. 32 p.

**Williams, F. B.** The law of the city plan. rev. ed. New York National Municipal League, 1922. 39 p. (Technical Pamphlet Series no. 8.) — First ed., 1920.

*See also* 824, 1505.

#### CREATIVE

##### General Planning Laws

The general acts of Italy, Sweden, Germany, England, France, and the provinces of Canada are discussed in Mr. Williams's book.

**707 Bombay.** Mirams, A. E. Town planning in Bombay under the Bombay Town Planning Act, 1915. (*In* Town Planning Institute, London, Papers and discussions, 1919-20; vol. 6, p. 43-56; with discussion, p. 57-63. illus.)

**France.** Laws. Town planning and reparation of damages caused by the events of the war. New York, National Civic Federation, 1919. 51 p.

Translation by Roscoe Pound, Dean, Harvard Law School. The law is discussed by F. B. Williams in the *National Municipal Review*, Oct. 1919.

**Great Britain.** Housing, town planning, etc., act, Oct. 1919. London. H. M. Stationery Office, 1919. 44 p.

A manual of the act will be found in H. C. Dowdall's *Local Development Law* (London, T. F. Unwin, 1919. 230 p.). The law is discussed by F. B. Williams in *American City*, Apr. 1920.

The new regulations and the future of town planning; summary of town planning regulations, 1921. (Housing, Apr. 1921; vol. 2, p. 254, 260-262.)

**Holland.** Hudig, D. Dutch housing legislation. Amsterdam, Nederlandsch Instituut voor Volkshuisvesting, [1920]. 16 p.

Regulation of town planning, p. 8-11.

**Saskatchewan.** Dept. of Municipal Affairs. Model form of development by law, prepared by the Town Planning and Rural Development Branch, adapted for an urban area of 5000 population and over. Regina, Sask., [1921]. 24 p.

Includes provisions for zoning law, platting regulations, etc.

**South Australia.** Reade, C. C. Planning and development of towns and cities in South Australia; report by the government town planner . . . upon existing conditions and defects and the need for town planning legislation relating thereto in conformity with the provisions of the town planning and development bill, 1919. Adelaide, Govt. Printer, 1919. 48 p.

*See further* retrospective article by Mr. Reade, Town planning legislation in South Australia, *in* Town Planning Review, Dec. 1921; vol. 9, p. 157-161.

##### Creation of City Planning Agencies

**714 Baker, M. N.** City planning; model city charter. *See* 1535.

**Ford, F. L.** The commission on the city plan at Hartford, Connecticut — Charter amendment. (*In* Proceedings of 2d National Conference on City Planning, 1910, p. 172-174.)

*Creation of City Planning Agencies (cont.)*

An ordinance creating a planning board; Form of by-law for towns. (*In* Annual report of Massachusetts Division of Housing and Town Planning, 1921, p. 45-47.)

**Plan commission legislation.** (City plan, Jan. 1916; vol. 1, no. 4, p. 9-13.)

**Williams, see 700.** See also his provision for city planning and zoning commission powers in the proposed charter for Nassau County, N. Y.

See also 1535.

### Acquisition of Public Property Condemnation

**722 Illinois. Legislative Reference Bureau.** Eminent domain and excess condemnation. [Springfield, Ill., 1919.] p. 455-515. (Constitutional Convention Bulletin no. 7.)

**Great Britain. Ministry of Reconstruction.** Committee dealing with law and practice relating to the acquisition and valuation of land for public purposes. Reports 1-4. London, H. M. Stationery Office, 1918-19. [Cd. 8998, 9229] [Cmd. 156, 424].

**Massachusetts.** [Report of Committee on Eminent Domain, Dec. 29, 1903.] 101 p. (House Legislative Document no. 288.)

Contains reports on English and French methods.

— Supplementary report of the tax commissioner, attorney-general, and chairman of the Homestead Commission relative to uniform methods and procedure for taking land for public purposes. Boston, State Printers, 1916. 78 p. (House Document no. 1750.)

Includes the special commission report (House Document no. 1851 of 1915), to which this is supplementary. Discusses current American practice, with reference to town planning needs.

**Shurtleff and Olmsted, see 700.**

See also 1570.

### Excess Condemnation and Replotting

**724 Chicago Bureau of Public Efficiency.** Excess condemnation. [Chicago, The Bureau, 1918?] 58 p. plans.

Reviewed by H. S. Swan *in* National Municipal Review, Mar. 1919; vol. 8. p. 174-175.

**Crawford, A. W.** Excess condemnation and public use. (*In* Proceedings of 2d National Conference on City Planning, 1910, p. 155-163.)

*Condensed in* American City, Nov. 1910; vol. 3, p. 224-226.

**Cushman, R. E.** Excess condemnation. New York, D. Appleton & Co., 1917. 323 p. (National Municipal League Series.)

Gives text of American statutes and constitutional provisions. Contains bibliography.

**Detroit City Plan Commission.** Excess condemnation, a few facts in support of proposed constitutional amendment approved by Common Council of Detroit, Mar. 8, 1919. Detroit, The Commission, Mar. 1919. [8 p.]

**New York (City).** Excess condemnation: a report of the Committee on Taxation, with a report prepared by H. S. Swan for the National Municipal League. New York, 1915. 122 p.

A review of the movement for excess condemnation for public improvements. (*Engineering and Contracting*, Oct. 2, 1918; vol. 50, p. 324-326.)

**Swan, H. S.** Excess condemnation in street improvements. (*American City*, Mar. 1916; vol. 14, p. 258-262. illus., plans.)

Summary of report for National Municipal League.

**Tiefenthaler, L.** Milwaukee embarks on street-widening program. (*American City*, Aug. 1922; vol. 27, p. 163.)

Excess condemnation to be employed.

**Williams, see 700,** first reference.

**728 Baumeister, R., J. Classen, and J. Stübgen.** Die Umlegung städtischer Grundstücke und die Zoneneinteilung. Berlin, E. Toeche, 1897. 152 p. illus., plans.

**Marsh, B. C.** Land policy in Frankfort-on-the-Main. (*In* his *An introduction to city planning*, 1909, p. 52-58.)

"Lex Adickes."

**Williams, on zone condemnation and replotting, see 700,** first reference.

See also 1293 and 1703.

### REGULATIVE

**760 Shurtleff, F., and F. L. Olmsted.** Use of the police power in the execution of a city plan. (*In* their *Carrying out the city plan*, 1914, p. 138-167.)

**Williams, F. B.** Public control of private real estate. (*In* Nolen, J., ed., *City planning*, 1916, p. 48-87.)

**Zoning Legislation**

**765 Bassett, E. M.** The Board of Appeals in zoning. Published by Zoning Committee of New York, [1921]. 25 p.

Full statement of origin, operation, and advantages of such a board.

*Summary in American City*, Jan. 1922; vol. 26, p. 50-51.

— Zoning, National Municipal League pamphlet. See 1600.

— Interim zoning. (*American City*, March 1922; vol. 26, p. 238.)

An impartial statement of its dangers and possibilities.

— "Zoning" that was not zoning. (*Housing Betterment*, Nov. 1922; vol. 11, p. 387-388.)

Shows dangers of piecemeal zoning.

— Present attitude of courts towards zoning. Paper read at 15th National Conference on City Planning, May 1, 1923. *To be printed separately in advance of Conference Proceedings.*

A most important discussion of the relation of state enabling acts to court decisions.

**Bettman, A.** The constitutionality of zoning. (*American City*, Sept. 1922; vol. 27, p. 212-216.)

— Recent court decisions on zoning. (*In Proceedings of 12th National Conference on City Planning*, 1920, p. 148-153.)

Contains humorous account of the western corral decision, repeated by A. W. Crawford in *Civic Comment* (American Civic Association), Sept. 20, 1920, as "zoning and jaw-distended mules."

**Cheney, C. H.** Procedure for zoning or districting of cities. San Francisco, Sept. 1917. 15 p. plans. (California Conference on City Planning, Bulletin no 2.)

Prepared for the use of California cities.

**Crawford, A. W.** Prevention of billboards in residential districts. Zoning and billboards. (*In his The billboard nuisance*, American Civic Association pamphlet, Series II, no. 13, rev. 1920, p. 15-20.)

**Davis, E. H., comp.** Zoning. [38 p.] plans. (*St. Louis Public Library Monthly Bulletin*, July 1917, n.s. vol. 15, no. 7.)

A compilation showing the advance of the movement in the United States, mainly of historical interest.

**Haldeman, B. A.** The control of municipal development by the "Zone system" and its application in the United States. (*In Proceedings of 4th National Conference on City Planning*, 1912, p. 173-188; with discussion, p. 188-191.)

*Condensed in American City*, Sept. 1912; vol. 7, p. 222-225. plan.

**McBain, H. L.** Law-making by property owners. Shall the exercise of the police power be made to depend on property owners? (*Political Science Quarterly*, Dec. 1921; vol. 36, p. 617-641.)

Includes a discussion of the validity of clauses in zoning ordinances requiring the consent of property owners.

**Merrill, E. A.** The legal view of zoning. (*Philadelphia Realtor's News*, Jan. 1922; vol. 3, p. 5-6.)

Legal objections and tests of a good ordinance.

**Newman, B. J.** Zoning and nuisances in Philadelphia. (*Housing Betterment*, Nov. 1922; vol. 11, p. 401-403.)

**Swan, H. S.** The law of zoning; a review of the constitutionality of zoning regulations which control buildings in accordance with a general plan of municipal development. Supplement to *National Municipal Review*, Oct. 1921; vol. 10, p. 519-536. (*Technical Pamphlet Series*, no. 11.)

Court decisions, grouped according to the different phases of zoning.

— The non-conforming building in zoning. (*American Architect*, Nov. 13, 1918; vol 114, p. 592-594.)

**U. S. Dept. of Commerce.** A standard state zoning enabling act, under which municipalities can adopt zoning regulations. rev. ed., Jan. 1923. *Mimeographed*. 16 p.

Prepared by Secretary Hoover's Advisory Committee on Zoning.

**Veiller, L.** Zoning. (*In his A model housing law*, published by Russell Sage Foundation, New York, rev. ed., 1920, p. 375-381.)

Legislation suggested in connection with the housing law.

**Whitten, R. H.** The zoning of apartment and tenement houses, an important legal decision (East Cleveland) which will help to preserve our American cities as cities of homes. (*American City*, August 1920; vol. 23, p. 140-142.)

— Regional zoning. See 6100.

*Zoning Legislation (cont.)*

**Williams, F. B.** Planning the private features. — Building regulation and zoning. (*In his Law of city planning and zoning, 1922, p. 191-355.*)

See also 1600 ff.

**Platting Legislation**

**770 Bostwick, A. L.** Municipal control of street platting. (*Municipal Journal, New York, July 29, 1915; vol. 39, p. 145-147.*)

A comprehensive survey of laws relative to platting in the United States and Canadian provinces to 1915.

**Crawford, A. W.** How to secure power to prevent building within the lines of platted streets. (*City Plan, Jan. 1917; vol. 2, no. 4, p. 8-9.*)

**Fisher, C. F.** Replatting a city area. Property owners and city authorities unite to vacate and replat a section of Portland, Ore. — Terms of agreement. — Legal procedure. (*Municipal Journal, New York, June 29, 1916; vol. 40, p. 892-893. plans.*)

Done by voluntary agreement.

The legislation necessary for intelligent city planning. (*In Proceeding of 4th National Conference on City Planning, 1912, p. 138-151.*)

Deals largely with municipal control of platting.

**National Conference on City Planning.** Enforcing an official city plan for streets as a police power regulation. Boston, 1922. [8 p.] (*Bulletin no. 2, series 1922, i.e. bulletin no. 17 of the Conference.*)

Comments on Windsor, Conn., court decision.

**New York (State).** An act to amend the Greater New York Charter, in relation to the official map and plan, to prevent buildings in streets shown on such map and plan, and to empower the board of appeals to grant building permits in certain cases. (No. 2178, Int. 1827. In Senate, Apr. 17, 1923.)

An important example of a practical method.

**Whitten, R. H.** Erection of buildings within the lines of proposed streets laid down on the final map of the City of New York. New York, Board of Estimate and Apportionment, Committee on the City Plan, 1917. 7 p. map.

**Williams, F. B.** Enforcing the city plan. (*National Municipal Review, July 1921;*

*vol. 10, p. 374-377.*) Also reprinted as Bulletin no. 16 of National Conference on City Planning.

Among cities which have published platting regulations may be noted: New York City, Rochester, and Syracuse, N. Y.; Haverhill, New Bedford, and Revere, Mass.; Akron, Cleveland, Toledo, and Hamilton, O.; Indianapolis; Baltimore, Md.; Detroit, Mich.; St. Louis, Mo.; and Portland, Ore.

The Ohio state law (1923) relating to plats and requiring cities to have official street plans is of especial interest. Under this act, Cincinnati adopted a plan, Apr. 1923.

Montana passed an act in 1917 covering the platting of additions to towns and cities, requiring one-ninth of each plat, with certain exceptions, to be set aside by the developer for public parks and playgrounds. (Chap. 41, Sec. 4981, Art. 9, Political Codes of Montana, vol. 1.)

See also 1800 ff.

**774** For legislation relating to special elements of the city plan, see Streets, 2070; Buildings, 3460; Parks, 4050; etc. (See Subject Index.)

**METHODS OF TECHNICAL PROCEDURE**

**800 Adams, T.** Modern city planning: its meaning and methods. Special number of *National Municipal Review*, June 1922; vol. 11, no. 6. p. 157-177. maps.

Outlines technical procedure.

**Knowles, M.** Development of the town plan. (*In his Industrial housing, 1920, p. 53-117. illus., plans.*)

Includes experience of U. S. Shipping Board war housing.

**U. S. Bureau of Industrial Housing and Transportation.** Report of the United States Housing Corporation. Vol. 2, Houses — site planning — utilities. 1919.

Appendices: note especially

1. Instructions for collection of general information on sites.
3. Instructions for collection of engineering information.
4. General instructions to committee of designers.
5. Instructions to surveyors.
6. Tentative instructions to engineering designers.
9. Suggestions to town planners.
10. Instructions to field staff concerning operations.

*Suggestions for Official Procedure*

**812.1 Cheney, C. H.** What city planning commissions can do. San Francisco, 1915. 22 p. illus., maps. (California Conference on City Planning, Bulletin no. 1.)

**Massachusetts. Homestead Commission.** Information and suggestions for city and town planning boards. Boston, 1914. 12 p. (Bulletin no. 2.)

**812.2 Abercrombie, P.** The new town planning regulations. (Town Planning Review, July 1921; vol. 9, p. 111-119.)

Suggestions as to the part of the Town Planning Committee, the constructive town planner, and the owner in carrying out the new procedure regulations of the British Ministry of Health, 1921.

**Aldridge, H. R.** The administration of the town planning duties of local authorities. London, National Housing and Town Planning Council, 1922. 95 p.

A supplement to his *Case for Town Planning*, 1916.

**Great Britain. Local Government Board.** Manual on the preparation of state-aided housing schemes. London, H. M. Stationery Office, 1919. 52 p. illus., plans.

**812.3 Ford, G. B.,** see 250, for procedure in France.

**Making of Surveys**

**815 Adams, T.** The making of regional surveys. (In Proceedings of American Society for Municipal Improvements, 1920, p. 55-59.)

*Abstract in Engineering News-Record*, Aug. 4, 1921; vol. 87, p. 201-202.

**Civic Survey of Greater London** [table showing investigation of data]. (Town Planning Review, Mar.-Apr. 1918; vol. 7, opp. p. 192.)

**Comey, A. C.** A schedule of civic surveys. Boston, 1916. 16 p. (Massachusetts Homestead Commission, Bulletin no. 5.)

**Ford, G. B.** Fundamental data for city planning work. (In Nolen, J., ed., City planning, 1916, p. 353-386. maps, plans.)

Contains bibliography.

**Geddes, P.** The city survey: a first step. (Garden Cities and Town Planning, Feb., Mar., Apr. 1911; n.s. vol. 1, p. 18-19, 31-32, 56-58.)

See also Geddes, entries under 1300.

**Harrison, S. M.** Community action through surveys. Paper presented in part at the Indianapolis meeting of the National Conference of Charities and Correction, May 1916. New York, Department of Surveys and Exhibits, Russell Sage Foundation, [1916]. 29 p.

**Lanchester, H. V.** Civic survey and reconstruction. (In Problems of Reconstruction, London, T. Fisher Unwin, 1918, p. 293-302.)

**Nolen, J.** The local survey as a basis for city planning studies. (City Plan, June 1915; vol. 1, no. 2, p. 13-16.)

**Plan of New York and its Environs.** Report of progress, May 1922-Feb. 1923. 67 p.

Mainly devoted to progress on surveys as follows:

Physical survey, by N. P. Lewis.

Economic and industrial inquiry, by R. C. McCrea and R. M. Haig (including statements by F. L. Olmsted and W. W. Stewart).

Social and living conditions survey, by S. M. Harrison, including Housing, by L. Purdy and W. D. Heydecker; Recreation, by L. F. Hamner and C. A. Perry; School facilities, by G. D. Strayer and N. L. Engelhardt; Public health and sanitation, by H. Emerson, M.D.; Public building programs, by H. H. Hart.

Legal survey, by E. M. Bassett.

**Swaelmen, L. van der.** Civic development survey. (In his *Préliminaires d'art civique*, 1916, p. 141-163. diagr.)

Based on the work of H. V. Lanchester for the Royal Institute of British Architects.

**Unwin, R.** Of the city survey. (In his *Town planning in practice*, 1909, etc., p. 140-153. illus., diagr.)

For examples of city plan reports containing particular reference to surveys, see especially in the list on p. 43, those for New York, Birmingham, Flint, Fall River, and Springfield (Mass.). The final report for Springfield is to contain an elaborate exposition of technique.

**Topographical Surveys**

**820 Folwell, A. P.** City surveying. (In his *Municipal engineering practice*, 1916, p. 212-260. illus., plans, diagr.)

A brief summary of mapping methods.

**Forecasting the future of a city.** (American City, Aug. 1922; vol. 27, p. 152.)

On the value of Telephone Company maps.

*Topographical Surveys (cont.)*

**Grinnalds, J. C.** Advantages of a topographic map in city planning and zoning. (*In Proceedings of American Society for Municipal Improvements, 1921, p. 212-218.*)

*Condensed in American City, Oct., Nov. 1921; vol. 25, p. 280-282, 373-375. map.*

*Also in Good Roads, Nov. 30, 1921; vol. 61, p. 243-245, 250, 252.*

**Mitchell, H. C.** A topographic survey of a large city. (*American City, Feb. 1916; vol. 14, p. 127-130. illus., map.*)

Cincinnati.

**Nelles, D. H.** The making of topographical maps of cities and towns, the first step in town planning. Ottawa, 1921. 40 p. maps, diagr. (*Geodetic Survey of Canada. Publication no. 9.*)

**Pollock, J. R.** The topographic survey and its relation to city engineering work. (*American City, Feb. 1922; vol. 26, p. 118-120. maps.*)

**Shirley, J. W.** The value of a topographical survey in planning a street system. (*American City, June 1915; vol. 12, p. 477-479. plan.*)

Major Shirley had charge of the Baltimore survey which has often served as a standard.

**U. S. Bureau of Industrial Housing and Transportation.** Instructions to surveyors for the preparation of topographical maps, scales 200 feet to an inch and 40 feet to an inch. (*In its Report of the United States Housing Corporation, 1919, vol. 2, Appendix 5, p. 447-448.*)

Among cities reported to have complete topographical surveys may be noted: Baltimore (*see Shirley article above*); Washington; Philadelphia; Cincinnati, Dayton, and Akron Ohio; Flint and Jackson, Mich.; Worcester, Mass.; etc.

*See also 834 for technique of presenting survey maps.*

**Social Surveys**

**822 Aronovici, C.** The social survey. Philadelphia, The Harper Press, 1916. 255 p. illus. (*Bureau for Social Research of the Seybert Institution.*)

**Blackmar, F. W., and E. W. Burgess.** Lawrence social survey. A study under the direction of the Dept. of Sociology, Univer-

sity of Kansas. Topeka, State Printer, 1917. 122 p. — Includes city planning.

**Curtis, F. R.** The collection of social survey material. Chicago, American Library Association Publishing Board, 1915. 15 p.

**Harrison, S. M.** Social conditions in an American city, a summary of the findings of the Springfield (Ill.) survey. New York, Russell Sage Foundation, 1920. 439 p. illus., maps, plans.

**Potter, Z. L., comp.** The social survey: a bibliography. Revised to Dec. 1915. New York, Russell Sage Foundation, Department of Surveys and Exhibits, 1915. 16 p.

As examples of social surveys for American cities, there may be noted: Pittsburgh, which dealt mainly with labor problems; Springfield (Ill.), which dealt mainly with institutions; and Cleveland, which treated the people and their problems. For an example of the Cleveland Foundation Surveys, *see 1495.*

**Baker, M. N.** A sanitary survey — a check list for planning such a survey. (*American City, Jan. 1913; vol. 8, p. 13-16.*)

A paper read before the Conference of Sanitary Officers of the State of New York, 1912.

**Horwood, M. P.** Public health surveys, what they are; how to make them; how to use them. With a foreword by W. T. Sedgwick and an introduction by G. C. Whipple. New York, John Wiley & Sons, 1921. 403 p. illus.

**Munson, W. L.** The sanitary survey as a check on community health. (*American City, Mar. 1921; vol. 24, p. 228-230. charts.*)

For discussion of **housing survey** technique, *see 815, Plan of New York*, Purdy and Heydecker report. Notable examples of housing surveys are Newark (Ford, *see p. 44 of this Manual*), Providence (Ihlder), St. Paul (Aronovici), Chicago (Chicago School of Civics and Philanthropy), and the original tenement house survey of New York City (De Forest and Veiller). The survey work of the California Commission of Immigration and Housing is also notable.

**Playground and Recreation Association of America.** Suggestions for recreational survey. *Mimeographed sheets.*

Technical methods explained. Sheets now available from Association, 1923.

For examples of technique of recreation surveys, see **815, Plan of New York**, above, **1495, Haynes and Davies** (Cleveland). Detailed information will be found in the publications of the Russell Sage Foundation Dept. of Recreation, and Playground and Recreation Association of America. Notable examples of recreation surveys are for Washington, Scranton, Cleveland, Springfield (Ill.), Buffalo, etc.

#### Legal Surveys

**824 Bassett, E. M.** The survey of the legal status of a specific city in relation to city planning. (*In Proceedings of the 5th National Conference on City Planning, 1913, p. 46-62.*)

The City of New York.

Legal sections worthy of special note may be found in the following city plan reports: Chicago, 1909 (W. L. Fisher); Minneapolis, 1917 (A. W. Crawford); Bridgeport, 1916, and Akron, Ohio, 1919 (F. B. Williams, Akron also published separately); Hamilton, Ohio, 1920 (A. Bettman); Fall River, Mass., 1922 (F. Shurtleff).

For legal survey of New York region, see **815, Plan of New York**.

#### Industrial Surveys

**826 Goodrich, E. P.** An industrial survey of St. Louis. (*In Proceedings of 10th National Conference on City Planning, 1918, p. 6-14.*)

**Hatch, W.** What is an industrial survey? (*American City, Nov. 1915; vol. 13, p. 385-386.*)

**Hebble, C. R.** Cincinnati's industrial survey. (*American City, Dec. 1914; vol. 11, p. 487-489. map.*)

**Holdsworth, J. T.** Report of the economic survey of Pittsburgh. Published by the City Council of Pittsburgh, 1912. 229 p. *Out of print.*

**Hoover, A. P.** Industrial surveys for wartime city planning. (*American City, May 1918; vol. 18, p. 475, 477.*)

**Pepler, G. L.** The civic survey preparatory to zoning with particular reference to industry. (*Garden Cities and Town Planning, Feb. 1921; vol. 11, p. 36-39.*)

Outlines data to be assembled.

For a comprehensive outline of an economic survey, see **815, Plan of New York**, Stewart report.

#### Methods of Presenting Data

**832 Brinton, W. C.** Graphic methods for presenting facts. New York, Engineering Magazine Co., 1914. 371 p. 257 charts, diagr. (Works Management Library.)

**Mulvihill, F. J.** Distribution of population graphically presented as a basis for city planning. (*American City, Feb. 1919; vol. 20, p. 159-161. illus.*)

**834 New York (City) Board of Estimate and Apportionment.** Maps of the city of New York. (*In its Report of the Chief Engineer, 1914, p. 58-65.*)

**Plan of New York and its Environs.** Maps and diagrams showing present conditions, New York and its environs, Mar. 1923. Prepared by the Physical Survey. New York, 1923. 39 p.

N. P. Lewis, director of Physical Survey.

**836 Robertson, W.** The relief map — its advantages as a demonstrator. (*American City, Nov. 1914; vol. 11, p. 419, 421, 423; with photo of model of Niagara Falls and vicinity.*)

Among the well-known relief models of cities may be mentioned: **Boston Metropolitan District** (in Harvard University Museum) described in illustrated pamphlet by G. C. Curtis, sculptor, issued by Commonwealth of Massachusetts, 1900; **Washington**, city as it existed and Park Commission Plan (in New National Museum), illustrated in Park Commission Report, 1902; **Pittsburgh District** (for Chamber of Commerce, 1904), illustrated in Pittsburgh Flood Commission Report, 1912; **Cincinnati** (at University of Cincinnati), illustrated in Arnold report on Cincinnati Interurban Electric Railway Terminal System, 1912; **Baltimore Harbor** (for Baltimore Port Development Commission).

The booklet issued by Howell's Microcosm (Washington, D. C., now the Robertson Co.) describes various city relief models which that company has made.

#### Aerial Surveys

**839 Adams, T.** Aerial photography. (*Garden Cities and Town Planning, Sept. 1920; vol. 10, p. 198-199. illus.*)

**Fairchild, S. M.** Aerial photography. (*Current Affairs, Boston Chamber of Commerce, Mar. 20, 1922; vol. 12, no. 44, p. 10, 33, 34. illus.*)

By President of Fairchild Aerial Corporation, responsible for the well-known aerial map of New York City.

*Aerial Surveys (cont.)*

**Hayler, G. W.** The aeroplane and city planning, the advantages of viewing cities from above. (American City, Dec. 1920; vol. 23, p. 575-579. illus.)

**Ives, H. E.** Pictorial and technical uses; Exploration and mapping. (In his Airplane photography, Philadelphia, J. B. Lippincott Co., 1920, p. 388-413. illus.)

**Jones, F. E.** Aerial photography mapping developed for municipal and other engineering services. (Engineering News-Record, Oct. 13, 1921; vol. 87, p. 596-599, illus., diag.)

**Lewis, N. P.** A new aid in city planning: aerial photography. (American City, Mar. 1922; vol. 26, p. 209-212. illus., map.) *Also reprinted.*

**Mertie, J. B.** Present status of photographic mapping from the air. (Engineering News-Record, May 22, 1919; vol. 82, p. 996-999.)

**Mosaic maps of cities.** (American City, Sept. 1922; vol. 27, p. 253-255. illus.)

**National Conference on City Planning.** The use of aerial photography in city planning work. Committee report, by E. P. Goodrich, A. W. Crawford, and H. B. Brainerd. (In Proceedings of its 13th conference, 1921, p. 176-182.)

**Nelles, D. H.** Topographic survey of London, Ontario, and the use of aerial maps. (Journal of Town Planning Institute of Canada, June-Aug. 1921; vol. 1, no. 4-5, p. 24-25.)

**Richards, C. H.** Los Angeles mapped from air to aid traffic studies. (Engineering News-Record, June 8, 1922; vol. 88, p. 961-963. illus.)

**Smith, G. S.** Uses of aerial photographs in map making. (Engineering News-Record, Feb. 2, 1922; vol. 88, p. 194-196. map.)

— In support of aerial surveys. (*Ibid.*, May 4, 1922; vol. 88, p. 746-747. illus., diag.)

**Wood, E. A.** Aeroplane map used by city planners in Dallas. (American City, March 1921; vol. 24, p. 251-252. illus.)

**Presentation of City Plans**

**850 Ford, G. B.** Town planning reports and the graphic representation of statistics. (In Town Planning Institute London, Papers and discussions, 1919-20; vol. 6, p. 95-98; with discussion, p. 99-102.)

*Abstract in Engineering and Contracting*, July 7, 1920; vol. 54, p. 20-21; etc.

— *See also 800, U. S. Bureau of Industrial Housing*, for both text and illustrations used in presenting the town plans prepared by the Bureau.

**852** For examples of typical city planning reports, comprehensive and special, prepared for American cities, see p. 43. Many of these are notable for their illustrations including photographs, plans, and drawings prepared to present the city plan effectively. Except Mr. Ford's paper, above, little has been written on the technique of presentation in this field.

**858 Comey, A. C.** Brockton city planning procedure program, Aug. 1917. (In Brockton, Mass., City Planning Board, Annual report, 1918, folded table, opp. p. 4.)

**Technical Advisory Corporation.** Estimated cost of improvements recommended for consideration at stated intervals from 1922 to 1972. (In its City plan for East Orange, 1922, p. 75, and diagram showing relationship between net bonding limit and cost of proposed improvements, p. 76.)

**859** Cost of city planning studies. (In Proceedings of 14th National Conference on City Planning, 1922, p. 211.)

— *See also 1595*, and p. 51, Municipal Appropriations for City Planning.

**Construction. Municipal Engineering**

**860 Folwell, A. P.** Municipal engineering practice. New York, John Wiley & Sons, 1916. 422 p. illus., plans, diag.

A convenient and comprehensive work.

**Whinery, S.** Municipal public works, their inception, construction, and management. New York, Macmillan Co., 1903. 241 p.

Still of value because it presents the engineering legal viewpoint.

— *See also special subjects: Streets, etc.*

**Technical Procedure in Special Fields**

**870 Bennett, E. H.** Zoning Chicago. (National Municipal Review, Mar. 1922; vol. 11, p. 69-71.)

Discusses the technical procedure involved in surveys and plans.

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Form adopted and used by U. S. Shipping Board Housing Division illustrated and explained. The schedule is for tabulating information to answer questions at all stages of the project.

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For technical procedure in Camp and Cantonment planning, see **5311.**

**Coöperation and Functions of Specialists**

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**879** **Town Planning Institute (British).** Town Planning Institute examinations with instructions to candidates and syllabus of subjects, Dec. 1916. (*In its Papers and discussions*, 1916-17, vol. 3, 12 pages in back of volume.)

**Competitions**

**880** **Town Planning Institute (British).** Regulations of the Town Planning Institute for town planning competitions. (*In its Papers and discussions*, 1916-17; vol. 3, 4 pages in back of volume.)

*Theoretical*

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— Honoré, F. Paris dans cinquante ans. (*L'Illustration*, 3 avril 1920; no. 4022, p. 196-198; 1 mai, 1920; no. 4026, p. 269-272. plans.)

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## STUDY AND TEACHING

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960 Partial list of educational institutions [in the U. S.] where city planning receives attention. (*In Proceedings of 14th National Conference on City Planning*, 1922, p. 211.)

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961 University lectures on town planning in various Canadian universities [given by T. Adams and W. D. Cromarty]. (*Journal of the Town Planning Institute of Canada*, Apr. 1921; vol. 1, no. 3, p. 8-9.)

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- Pray, J. S.** The Department of Landscape Architecture in Harvard University. (*Landscape Architecture*, Jan. 1911; vol. 1, p. 53-70.)
- Brief account of School to 1922 in *Harvard Alumni Bulletin*, Mar. 30, 1922.
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- Robinson, C. M.** City-planning course at the University of Illinois. (*Landscape Architecture*, Apr. 1913; vol. 3, p. 97-100.)
- 982 Adshead, S. D.** The School of Civic Design at Liverpool University. (*Landscape Architecture*, Apr. 1911; vol. 1, p. 105-109.)
- Town planning** for London University. (*Garden Cities and Town Planning*, Nov. 1914; n.s., vol. 4, p. 258-260.)
- 984 École Supérieure d'art Public.** Programme des cours. 1917-18. [and bulletin *L'Art public*.]
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- 986 K. Technische Hochschule, Berlin,** see 180.
- Nolen, J.** Düsseldorf's college for city planners and city administrators. (*Landscape Architecture*, Jan. 1912; vol. 2, p. 58-59.)
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- A Danish town planning laboratory, Dansk Byplan Laboratorium, Copenhagen. (*Housing Betterment*, Jan. 1922; vol. 11, p. 47.)
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## COMPOSITION OF CITY PLANS. PLANNING. REPLANNING

## THEORY AND PRINCIPLES OF DESIGN

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City development and extension. (*In Royal Institute of British Architects, Town planning conference, London, 1910, p. 245-312. illus., plans.*)

Papers by Raymond Unwin, Augustin Rey, W. E. Riley, J. Stübben.

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## Social Considerations

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A series of articles vehemently decrying, from the social viewpoint, the present tendencies of American city planning.

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A review of Mr. Ackerman's standpoint as stated in the above series of articles.

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**Lasker, B.** "Bolshevik cities," an undelivered speech at the 11th National Conference on City Planning. (*Survey, June 14, 1919; vol. 42, p. 423-425.*)

— Unwalled towns. (*Survey, Mar. 1920; vol. 43, p. 675-680, 718. illus.*)

Tendencies toward social segregation to be guarded against in town planning and zoning. See also **1600, Cheney**, for a reply.

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**Marsh, B. C.** City planning in justice to the working population. (*Charities*, Feb. 1, 1908; vol. 19, p. 1514-1518.)

**Mumford, L.**, see 1424.

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**Economic Considerations**

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**Brunner, A. W.** The business side of city planning; a condensation of an address before American Civic Association. (*National Municipal Review*, Apr. 1912; vol. 1, p. 236-240.)

**Davidge, W. R.** Town planning in relation to the community. (*Garden Cities and Town Planning*, Dec. 1914; vol. 4, p. 269-271.)

**Ford, G. B.** City planning and real estate; from a paper read at conference between Fine Arts Federation of New York and representatives of the real estate organizations of New York. New York, The Civic Press, 1915. [2 p.] (*American City Pamphlet* no. 127.)

— City planning and municipal economy. (*In 7th Yearbook of City Managers' Association*, 1921, p. 124-128.)

**Lewis, N. P.** The economic value of a city plan. (*In his Planning of the modern city*, 1916 and 1923, p. 175-185. illus., plans.)

**McFarland, J. H.** The relation of city planning to business. (*In Proceedings of 9th National Conference on City Planning*, 1917, p. 155-167.)

The economic considerations in city planning are brought out strikingly in the Stewart report for the Plan of New York. See 815.

See also 1563 ff., 1570, 4016.

**Esthetic Considerations**

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On the fundamental basis of civic art.

**Adshead, S. D.** Town planning and amenities. (*Town Planning Review*, July 1914; vol. 5, p. 86-90.)

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**Edwards, A. T.** On the influence of town planning upon architectural style. (*Town Planning Review*, Jan. 1915; vol. 5, p. 268-278.)

**Ford, G. B.** Planning the attractive town. (*In Proceedings of 13th National Conference on City Planning*, 1921, p. 195-203.)

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— The need for imagination in town planning. (*Town Planning Institute, London, Papers and Discussions*, 1920-21; vol. 7, p. 23-30; with discussion, p. 33-34.)

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**1242 Unwin, R.** Of civic art as the expression of civic life. (*In his Town planning*, 1909, etc., p. 2-14. illus., plans.)

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**1272 Lanchester, H. V.** Tradition and city development. (*Town Planning Review*, Jan. 1915; vol. 5, p. 260-261.)

**1274 Elgood, F. M.** "Character," its application in town planning schemes. (*In Town Planning Institute, London, Papers and discussions*, 1918-19, vol. 5, p. 79-83; with discussion, p. 84-88.)

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Includes bibliography. Subsequent articles, in the same magazine: July 1918, Jan. 1919, Apr. 1920.

**Renaissance des Cités, Paris.** [Various publications, including *Le village modèle* (Pinon) and numerous technical leaflets, 1918-20.]

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**Rosenthal, L.** Villes et villages français après la guerre; aménagement, restauration, embellissement, extension. Paris, Payot & Cie, 1918. 288 p.

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*Great Britain and Canada*

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See also 6600 ff.

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**La Farge, C. G.** Regional surveys — their aim and importance in war and peace. (*Journal of the American Institute of Architects, Aug. 1918; vol. 6, p. 402-404.*)

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**Pray, J. S.** The survey for a city plan. (*In Proceedings of the 5th Annual Conference of Mayors and other city officials of the State of New York, 1914, p. 154-170; with discussion.*)

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See also 815 ff., where information on Technical methods of preparing surveys may be found.

#### CLIMATE, TOPOGRAPHY, ETC.

**1320 Manning, W. H.** The Billerica town plan. (*Landscape Architecture, Apr. 1913; vol. 3, p. 108-118. plans.*)

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The reports, surveys, and maps prepared by the U. S. Geological Survey and the U. S. Coast Survey, and the soil surveys of the Dept. of Agriculture are of special interest.

**1330 Kassner, C.** Die meteorologischen Grundlagen des Städtebaues. Berlin, W. Ernst & Sohn, 1910. 26 p. illus. (*Städtebauliche Vorträge, Bd. 3, Heft 6.*)

**Salisbury, R. D.** Climate. (*In his Physiography, New York, Henry Holt & Co., 1913, p. 676-705. diagr.*)

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Frequency of excessive rainfalls; data compiled by U. S. Housing Corporation from records of the Weather Bureau showing average frequency of rainfall at various high rates. (*Municipal Journal, New York, Sept. 14, 1918; vol. 45, p. 204-206. diagr.*)

**1340 Avebury, Sir J. L.** Of local divisions and the sites of towns. (*In his Scenery of England, New York, Macmillan Co., 1902, p. 478-487. illus., diagr.*)

**Hurd, R. M.** Location of cities; Ground plan of cities. (*In his Principles of city land values, 1903, p. 22-36. plans.*)

**Robinson, C. M.** The site of the city. (*In his Improvement of towns and cities, 1913, etc., p. 1-17.*)

**1356** Among the American cities where the problems caused by hills have received special attention in city planning may be mentioned San Francisco, Pittsburgh, Cincinnati, Providence, Seattle, Tacoma, Portland (Ore.), Omaha, St. Paul, and Montreal.

**POPULATION. GROWTH OF CITIES. SOCIAL CONDITIONS. HOUSING. PUBLIC HEALTH AND SAFETY**

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**Manning, W. H.** A summary of municipal activities; various data of cities of over 100,000 population. (American City, Apr. 1917; vol. 16, p. 333-339. diagr.)

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**Rossiter, W. S.** Increase of population in the United States, 1910-1920. A study of changes in the population of divisions, states, counties, and rural and urban areas, and in sex, color, and nativity at the Fourteenth Census. Washington, Govt. Printing Office, 1922. 255 p. diagr. (Census Monographs, I.)

**U. S. Bureau of the Census.** Fourteenth census of the United States: 1920.

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Vol. IV, Population: Occupation statistics (in course of publication).

Vol. IX, Manufactures: Report for states with statistics for principal cities, now available in state bulletin form.

— Bulletins, issued 1922.

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Dwellings and families.

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— General statistics of cities: 1916, including statistics of parks, playgrounds, museums, and art galleries, zoological collections, music and entertainments, swimming pools and bathing beaches, and other features of the recreation service. Washington, Govt. Printing Office, 1917. 88 p. maps, tables, diagr.

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**Growth of Cities and Decentralization**

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**Mumford, L.** The heritage of the cities movement in America; an historical survey. (Journal of the American Institute of Architects, Aug. 1919; vol. 7. p. 349-354.)

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— **Reclus, E.** The evolution of cities. (Contemporary Review, Feb. 1895; vol. 67, p. 246-264.)

— **Stein, C. S.** The future of our big cities. (Journal of American Institute of Architects, Jan. 1923; vol. 11, p. 24-25.)

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— **Weber, A. F.** The growth of cities in the nineteenth century: a study in statistics. New York, Macmillan Co., 1899. 495 p. (Columbia University Studies in History, Economics, and Public Law, vol. 11.)

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*See also 1677.*

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**Nolen, J.** Modern city planning principles applied to a small community: Mariemont, a new town in the Cincinnati district. (*National Real Estate Journal, Mar. 26, 1923; vol. 24, no. 7, p. 21-27. illus., plan.*) *Also reprinted.*

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**Hudson, R. M.** How to determine cost of living in an industrial community. (*Industrial Management, Sept. 1918; vol. 56, p. 185-191. tables.*)

**King, C. L.** Lower living costs in cities, a constructive programme for urban efficiency, New York, D. Appleton and Co., 1915. 355 p. (*National Municipal League Series.*)

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**Lane, F. V. Z., and J. Nolen.** City planning and distribution costs. (*Annals of the American Academy of Political and Social Science, Nov. 1913; vol. 50, p. 240-246.*)

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**Waissar, I.** The principles of port development and their relation to the cost of living. (*Port of New York, Aug. 1922; vol. 1, no. 8, p. 27-28.*)

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**1430 Aronovici, C.** Housing and the housing problem. Chicago, A. C. McClurg & Co., 1920. 163 p. (National Social Science Series.)

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**American Academy of Political and Social Science.** Housing and town planning. See **265**.

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**Clarke, J. J.** The housing problem: its history, growth, legislation and procedure. London, Sir Isaac Pitman & Sons, 1920. 544 p.

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**Ford, J.** Fundamentals of housing reform. From the Smithsonian Report for 1913, p. 741—754. Washington, Govt. Printing Office, 1914. (Publication 2311.)

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**Hoover, H.** Constructive forces in the solution of the housing problem. (United States Commerce Reports, July 16, 1921; no. 164, p. 273—278.)

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**Knowles, M.** Industrial housing. See **1697**.

**Magnusson, L.** Housing and the land problem. (U. S. Bureau of Labor Statistics, Monthly Review, May 1918; vol. 6, p. 1316—1325.)

Discusses aspects of the land problem in housing by industrial corporations, by copartnership companies and by government aid or ownership.

The national housing problem: a symposium, by Messrs. Purdy, Gries, Wagner, Haldeman, Reppert, Pirnie, Stevenson, Robinson, Bassett, Ham, and Ihlder. (In Proceedings of the American Society of Civil Engineers, Feb. 1922; vol. 48, p. 195—257; with discussion p. 258—263.)

**Nolen, J.** A good home for every wage-earner; an address delivered at the 12th annual convention of the American Civic Association. 23 p. (American Civic Association, Series II, no. 9, Apr. 1917.)

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**Sellier, H.** Le crise du logement et l'intervention publique en matière d'habitation populaire dans l'agglomération parisienne. Paris, Éditions de l'Office public d'Habitations à bon marché du Dépt. de la Seine, 1921. 1250 p. illus., plans.

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**Whitaker, C. H.,** and others. The housing problem in war and in peace. Washington, D. C., Journal of the American Institute of Architects, 1918. 116 p. illus., plates, plans.

With special reference to British and American war-time problems. Contains papers by F. L. Ackerman, R. S. Childs, and Mrs. E. E. Wood. Much of the material was reprinted from the *Journal*, from Sept. 1917 to Feb. 1918.

See also **1697**, Planning of low cost residential districts; **1703**, Tenement districts; **3633** Low cost houses; **3644**, Tenement houses.

#### Governmental Housing and Governmental Aid

##### *United States*

**1431 Ackerman, F. L.** Government housing — federal, state, municipal — is it desirable? (*In Proceedings of 7th National Conference on Housing, Housing problems in America, 1918, p. 70-81; with discussion, p. 292-296.*)

**Adams, T.** Housing and social reconstruction. (*In Ibid.*, p. 3-37.)

Mr. Adams discusses American after-war housing problems and concludes by advocating a governmental housing program in which the Federal Government is the advisory agency and the states and municipalities the constructive agencies. Abridged in *Landscape Architecture*, Jan. 1919.

**Child, S.** How the United States can help build homes. (*National Municipal Review*, Jan. 1921; vol. 10, p. 16-22.)

**Childs, R. S.** What will become of the government housing? The Government's principal permanent housing projects. (*National Municipal Review*, Jan. 1919; vol. 8, p. 48-52.)

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**James, H.** Lessons from government experience in housing. (*National Municipal Review*, Aug. 1921; vol. 11, p. 427-433.)

An address before the National Conference on Social Work.

**Newman, B. J.** Government housing in practice; The government urged to build homes; Government housing a failure. (*Housing Betterment*, Dec. 1921; vol. 10, p. 305-314.)

**Olmsted, F. L.,** see **1697**.

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For Vol. 2, see **1697**.

**U. S. Bureau of Labor Statistics.** Government aid to home owning and housing of working people in foreign countries. Washington, Govt. Printing Office, 1915. 451 p. (Bulletin, whole no. 158; miscellaneous series no. 8.)

**U. S. Shipping Board,** see **1697**.

**War housing.** Papers by F. L. Olmsted, L. Purdy, L. Veiller, and discussion. (*In Proceedings of 10th National Conference on City Planning, 1918, p. 86-124.*)

For the work promoting good housing carried on by the U. S. Dept. of Commerce through the Division of Building and Housing, see p. 15 of this *Manual*.

##### *Great Britain and Canada*

**Childs, R. S.** The new garden cities of England. (*Outlook*, Mar. 6, 1918; vol. 118, p. 364-366.)

Also reprinted by Committee on New Industrial Towns. Article describes new war towns and makes comparisons with American conditions.

**Culpin, E. G.** The remarkable application of town-planning principles to the war-time necessities of England. (*Journal of the American Institute of Architects*, Apr. 1917; vol. 5, p. 157-159.)

**Reiss, R. L.** The home I want. London, Hodder & Stoughton, 1919. 175 p. illus.

Dealt with the main facts of the British government situation in regard to housing and town planning.

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**Veiller, L.** How England is meeting the housing shortage. (*Housing Betterment*, Sept. 1920; vol. 9, no. 3, entire number. Note especially p. 292-303.)

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For the technical reports on the British war housing developments, see 1697.

**Canada. Orders in Council.** Housing project of federal government. Orders in Council with reference to the granting of a loan of \$25,000,000 for the erection of dwellings, the constitution of the Cabinet Committee on Housing and the general principles regarding provincial housing schemes. Ottawa, Mar. 1919. 15 p.

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**1432** An experiment in housing by a state government in the United States is described in the reports of the Massachusetts Homestead Commission (discontinued 1919). North Dakota passed a home building law in 1919 criticized in the *Journal of the American Institute of Architects*, May 1919, p. 224-225.

**Municipal and coöperative housing law in Wisconsin.** (*Monthly Labor Review*, U. S. Bureau of Labor Statistics, Sept. 1919; vol. 9, p. 959-961.)

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**Municipal housing.** (*Housing Betterment*, May 1920; vol. 9, p. 135-137.)

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**Williams, F. B.** Must we await constitutional amendments before cities can engage in housing? (*American City*, Feb. 1919; vol. 20, p. 185-187.)

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**1433.5 Waldo, F. L.** Good housing that pays: a study of the aims and accomplishment of the Octavia Hill Association, 1896-1917. Philadelphia, Harper Press, 1917. 126 p. illus., plans.

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**1434 Adams, T.** Partner-ownership building societies. (*Conservation of Life*, Oct. 1919; vol. 5, p. 69-79. illus.)

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**U. S. Dept. of Commerce.** How to own your home: a primer. Prepared by the Division of Building and Housing, 1923. *In press.*

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— The workman's home: its influence upon production in the factory and labor turn-over. (*Journal of American Society of Mechanical Engineers*, June 1918; vol. 40, p. 453-458.)

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**Fisher, B.** Good housing as a reducer of labor turnover. (*In Proceedings of 7th National Conference on Housing, Housing problems in America, 1918, p. 147-174.*)

**Ihlder, J.** Housing and transportation problems in relation to labor placement. (*In Annals of the American Academy of Political and Social Science*, Jan. 1919; vol. 81, p. 51-55.)

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**1438** **Davidge, W. R.** Town planning and unemployment emergency measures. (*In Town Planning Institute, London, Papers and discussions, 1921-22, vol. 8, p. 23-27; with discussion, p. 28-33.*)

**President's Conference on Unemployment.** Report . . . Sept. 26 to Oct. 13, 1921. Washington, Govt. Printing Office, 1921. 178 p. Public works recommended.

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**Black, Mrs. E.** Communal benefits from the public control of terminal markets. (*In Ibid.*, July 1913; vol. 48, p. 149-153.)

— A terminal market system, New York's most urgent need. Some observations, comments and comparisons of European markets. By member of the Advisory Board of the New York Terminal Market Commission. [New York, The Willett Press, 1912.] 31 p. illus., plans.

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**Folwell, A. P.** Municipal markets. (*In his Municipal engineering practice, 1916. p. 365-373. illus.*)

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**Ford, G. B.** The market of the near future; ideal plan for a system of wholesale and retail city markets. (*Housewives League Magazine*, Sept. 1913; vol. 2, p. 6-12. illus., plans.)

**Jefferson, L. P.** The community market. 22 p. illus. (*Massachusetts Agricultural College, Extension Bulletin no. 21, Apr. 1918.*) Contains bibliography.

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**Marks, M. M.** Reports on market system for New York City and on open markets established in Manhattan. Board of Estimate and Apportionment, Committee on Markets. Published by Borough of Manhattan, 1915. 121 p. illus.

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**Miller, C. C.** Municipal terminal markets. Address before Second Pan American Scientific Congress, 1915-1916. (*In its Proceedings; and also in Journal of National Institute of Social Sciences, New York, July 1916; vol. 2, p. 140-154.*) *Also reprinted.*

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**Hazen, A.** Clean water and how to get it. 2d rev. and enl. ed., New York, John Wiley & Sons, 1914. 196 p. plates.

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**1474 Soper, G. A.** Modern methods of street cleaning. New York, Engineering News Publishing Co., 1909. 201 p. illus.

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**Richards, H. S.** Methods of snow disposal (In Proceedings of American Society for Municipal Improvements, 1920, p. 1-9.)

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**Collier, J.** City planning and the problem of recreation. (In American Academy of Political and Social Science, Housing and town planning, 1914, p. 208-215.)

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**Haynes, R., and S. P. Davies.** Public provision for recreation [in Cleveland]. Cleveland Foundation Committee, 1920. 198 p. illus., maps. (One of the 7 sections of the report of the Recreation Survey of Cleveland.)

A standard for general reference.

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**McBain, H. L.** Municipal recreation. (In his American city progress and the law, 1918, p. 203-227.)

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**Richards, J. R.** Recreational agencies. (*Playground, Oct. 1916; vol. 10, p. 244-252.*)

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See also 4000 ff., Parks and playgrounds.

**LEGAL AND ADMINISTRATIVE CONDITIONS**

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**Williams, F. B.** Planning administration in Italy, Sweden and Germany; in England, Canada and France; in the United States. (*In his Law of city planning and zoning, 1922, p. 443-605.*)

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**1520 Bradford, E. S.** Commission government and city planning; paper before National Municipal League, 1912. (*American City, Aug. 1912; vol. 7, p. 113-116.*)

**Gilbert, A. B.** American cities; their methods of business. New York, Macmillan Co., 1918. 240 p.

**Gilbertson, H. S.** The political background for city planning. (*American City, May 1915; vol. 12, p. 394-397.*)

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Note especially: City planning, p. 30-73, and Streets, p. 74-121.

**Federal, State, and Metropolitan Authorities**

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Defines scope of planning work for federal state, regional, and local authorities.

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**Inhibition—permission—compulsion.** (*American City, Apr. 1916; vol. 14, p. 325-327.*)

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**1522 Adams, T.** The beginnings of town planning in Canada. (*In Proceedings of 8th National Conference on City Planning, 1916, p. 222-230; with discussion, p. 230-241.*)

On governmental promotion of town planning. The reports of the Canadian Commission of Conservation (discontinued 1921) should be consulted for the history of this work. After that date, work transferred to National Parks Branch of Dept. of Interior. (*See note in Journal of Town Planning Institute of Canada, Oct. 1921.*)

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**U. S. Dept. of Commerce.** For an account of the services in promoting city planning rendered by the Division of Building and Housing, see p. 15 of this *Manual*.

**1523 Pennsylvania. State Bureau of Municipalities.** Lohman, K. B. State-aid in city planning: Pennsylvania's pioneer movement fosters park development. (*Park International, Sept. 1920; vol. 1, p. 156-158.*)

— Woodward, J. F. State aid for Pennsylvania municipalities. (*American City, June 1922; vol. 26, p. 576-578. plans.*)

*Federal, State, Metropolitan Authorities (cont.)*

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This first report gives (p. 7-8) a brief account of the organization of the Division, which superseded the Massachusetts Homestead Commission (abolished 1919. — See its published annual reports.)

**Manitoba.** Stoughton, A. A. The town planning comptroller and his work — Manitoba appoints town planning comptroller. (Journal of Town Planning Institute of Canada, Oct. 1921; vol. 1, no. 6, p. 8-10.)

**1524 Wisconsin** has a law creating county rural planning committees, and in **Ohio** (Apr. 1923), regional planning commissions may be created. **Massachusetts** (May 1923) has a metropolitan planning authority (see **1525, Boston**). Legislation is being sought for the Pittsburgh and Los Angeles county authorities.

**1525 Boston Chamber of Commerce.** Committee on Municipal and Metropolitan Affairs and Committee on Public Utilities. Metropolitan planning and development in Boston and its environs. 1922. 32 p. plans, diagr.

Bill creating a Metropolitan Planning Division in the Metropolitan District Commission signed May 17, 1923.

**Donley, W. M.** Main highways in metropolitan districts, construction, maintenance, and control. (*In Proceedings of 13th National Conference on City Planning, 1921, p. 134-136.*)

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**Gundlach, J. H.** A city's control of outlying districts; abstract of address before League of American Municipalities. (*American City, May 1911; vol. 4, p. 224-226.*)

**Hooker, G. E.** City planning and political areas. (*National Municipal Review, May 1917; vol. 6, p. 337-345.*)

*Condensed in American City, Feb. 1917; vol. 16, p. 122-125.*

**Knowles, M.** The metropolitan district idea. Reprint of report to the Essex Border Utilities Commission, Ontario, Canada. Pittsburgh, 1919. 27 p.

**Massachusetts. Metropolitan District Commission.** Report of the commission to the Massachusetts legislature. 1896. Boston, Wright & Potter, State Printers, 1896. 100 p. Appendix on foreign municipal extensions.

**Woolston, H. B.** Municipal zones; a study of the legal powers of cities beyond their incorporated limits. (*National Municipal Review, July 1914; vol. 3, p. 465-473.*)  
*See also 6100, Regional planning.*

#### Municipal Departments and Commissions

**1535 Baker, M. N.** City planning. (*In Woodruff, C. R., ed., A new municipal program, 1919, p. 218-227.*)

Discusses the most efficient city planning agency for the American municipality under present conditions, with special reference to its place in the commission-manager form of government and explains the sections on city planning of National Municipal League Model City Charter appended (p. 360-362).

**McGee, W. A.** The organization and functions of a city planning commission. (*In Proceedings of 5th National Conference on City Planning, 1913, p. 73-85; with discussion, p. 85-92.*)

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**National Conference on City Planning.** Committee on Administrative Procedure. Tabulation of results of questionnaire on the constitution and powers of a city planning authority. (*In Proceedings of 7th National Conference on City Planning, 1915, p. 274-299.*)

**Whitten, R. H.** The constitution and powers of a city planning authority. (*In Ibid., p. 135-143; with discussion, p. 155-197.*)  
*Also in City Plan, June 1915; vol. 1, p. 7-12.*

*See also 714 and 1500.*

#### Art Commissions

**1538 Crawford, A. W.** Art commissions: the increasing usefulness and value of city art juries in matters of public adornment. (*American Review of Reviews, July 1921; vol. 64, p. 61-67. illus.*)

— The value of art commissions in city planning. (*In Proceedings of 14th National Conference on City Planning, 1922, p. 148-158.*)

The difference between the functions of the city art commission and a city plan commission. Discussion led by F. T. Bigger. (*In Ibid., 1917, p. 228-236.*)

**Ford, G. B.** Art commissions and city planning. (*American City*, Feb. 1914; vol. 10, p. 117-118.)

**Municipal art commissions.** (*In U. S. Bureau of Manufactures, Municipal art commissions and street lighting in European cities, 1910, Special consular reports, vol. 42, pt. 1, p. 5-13.*)

**National Conference of Art Commissions.** Art commissions, city and state; suggestions as to their organization and scope. Report of a committee appointed at a conference of members of art commissions, Dec. 1913. 23 p.

**New York (City).** Laws relating to art commissions. Printed for the Art Commission of the City of New York, May 1914. 53 p.

Of special interest are the published reports of the **National Commission of Fine Arts** (Washington), of the **Philadelphia Art Jury**, and the **New York (City) Art Commission**.

**Relation of Municipality to Public Utilities**

**1541 Williams, F. B.** Public utilities. (*In his Law of city planning and zoning, 1922, p. 161-170.*)

**Wilcox, D. F.** The city's part in the development and control of public utilities. (*New Jersey Municipalities, Mar. 1918; vol. 2, p. 69-70, 88-90.*)

**ECONOMIC AND FINANCIAL CONDITIONS**

**1550** For a comprehensive outline of the economic data necessary for city planning see Stewart report in **Plan of New York Progress Report, 815.**

**Urban Land**

**1563 Adams, T.** Municipal and real estate finance in Canada. The need of town planning to arrest growing financial difficulties in cities and towns. Canada, Commission of Conservation, 1921. 15 p.

— Should governments conscript land or regulate its use? (*Conservation of Life, July 1918; vol. 4, p. 59-61.*)

"In both the cities and the rural districts it should be made illegal in future for any person to acquire a title to any area of land except for use."

See also **1430.**

**Cadbury, G., Jr.** [Municipal ownership of land.] (*In his Town planning, with special reference to the Birmingham schemes, 1915, p. 140-146.*)

**Committee on New Industrial Towns, New York City.** Publications (most of which were reprinted by the Committee), as follows:

The unearned increment in Gary, by R. M. Haig. (*Political Science Quarterly, Mar. 1917.*)

The new garden cities of England, by R. S. Childs. (*Outlook, Mar. 6, 1918.*)

How shall the Government dispose of its industrial housing, by R. S. Childs. (Reprint of article entitled: Group ownership of housing, *New Republic, Mar. 30, 1918.*)

A self-owning town. A report to Mr. F. P. Palen, Vice-President Newport News Shipbuilding and Dry Dock Company, regarding "A co-partnership scheme for Hilton."

Copartnership in England, by H. S. Swan. (*Journal of the American Institute of Architects, Apr. 1918.*)

The unearned increment in Lackawanna, by H. S. Swan. (*National Municipal Review, Mar. 1919.*)

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**Olmsted, F. L.** Planning residential subdivisions. (*In Proceedings of 11th National Conference on City Planning, 1919*, p. 1-21.)

*Abstract in Municipal and County Engineering*, Oct. 1919; vol. 57, p. 161-164.

Prize-winning plans. See **880**.

**Rading, A.** The garden village, a new method of developing suburban land, translated by F. B. Williams. (*National Municipal Review*, Apr. 1923; vol. 12, p. 168-171. plan.)

**Triggs, H. I.** Town expansion. (*In his Town planning, 1909*, p. 170-210. plans.)

On the development of residential suburbs.

**Unwin, R.** Of site planning and residential roads. (*In his Town planning, 1909, etc.*, p. 289-318. illus., plans.)

**Williams, C. H.** How to get garden suburbs in America. (*In Proceedings of 5th National Conference on Housing, Housing problems in America, 1916*, p. 102-110; with discussion by A. C. Comey, A. W. Crawford, and others, p. 295-310.)

See also **2355**, for relation of transit to suburban development; **3380**, for methods of land subdivision.

**1695** A series of articles on the older "high-class" residential suburbs appeared in **House and Garden** as follows:

**Llewellyn Park**, West Orange, N. J., The first American suburban community, by S. Swift; June 1903; vol. 3, p. 327-335.

Community life at **Rochelle Park**, by S. Swift; May 1904; vol. 5, p. 235-243.

**Lake Forest**, the beautiful suburb of Chicago, by A. H. Granger; June 1904; vol. 5, p. 265-275.

Community life in **Tuxedo**, by S. Swift; Aug. 1905; vol. 8, p. 61-71.

Examples of printed booklets descriptive of "high-class" residential developments are: Roland Park and Guilford, Baltimore; Country Club District, Kansas City, Mo.; Forest Hills Gardens, L. I.; Brendonwood, Indianapolis; Ottawa Hills, Toledo; Euclid Golf and Shaker Heights, Cleveland; Colony Hills, Springfield, Mass.; etc.

#### Low-cost Residential Districts

**1697 American City Planning Institute.** Town planning lessons from government housing operations. Philadelphia, 1919. 24 p.

Contents: Housing operations of Emergency Fleet Corporation, by B. A. Halderman; United States Housing Corporation, by F. L. Olmsted; Summary by J. Nolen. Discussion.

**Architectural Review** (Boston), vol. 6, 1918, contained a series of illustrated articles on land developments for industrial housing.

**Comey, A. C.** Billerica garden suburb. (*Landscape Architecture*, July 1914; vol. 4, p. 145-149. plan.)

An attempt to develop a low-cost suburb on the co-partnership principle.

**Crawford, A. W.** Standards set by the new federal war suburbs and war cities. 24 p. illus., plans. (*American Civic Association, Series II*, no. 12, Oct. 1918.)

*Low-cost Residential Districts (cont.)*

**Davison, R. L.** List of low-cost housing developments in the United States. (*In* Nolen, J., *More houses for Bridgeport*; report to Chamber of Commerce, 1916, Appendix B, p. 47-57.)

**Goodrich, E. P.**, *see* 1613.

**Knowles, M.** Industrial housing, with discussion of accompanying activities; such as town planning — street systems — development of utility services — and related engineering and construction features. New York, McGraw-Hill Book Co., 1920. 408 p. illus., plans.

**Magnusson, L.** A modern industrial suburb. (U. S. Bureau of Labor Statistics, *Monthly Review*, Apr. 1918; vol. 6, p. 729-753. illus., plans.) *Also reprinted.*

Morgan Park, Duluth, Minn. Pages 735-739 deal with the treatment of labor camps.

**Nolen, J.** The industrial village. New York, National Housing Association, Sept. 1918. 22 p. plans. (Publication no. 50.)

Similar articles on industrial village planning appeared earlier in 1918 in his pamphlet entitled: *Industrial housing — better homes for less money*; and in the *Architectural Forum* for Apr. 1918. Six typical developments designed by Mr. Nolen are used as illustrations in both pamphlets.

— Land subdivision and its effect upon housing. (*In* 4th National Conference on Housing, *Housing problems in America*, 1915, p. 33-52; with discussion, p. 53-64.)

A discussion of low-cost districts. The data used were assembled by a Committee of the National Conference on City Planning (*see* 3380).

— Mariemont. *See* 1426.

**Olmsted, F. L.** Lessons from the housing developments of the United States Housing Corporation. (*Monthly Labor Review*, U. S. Bureau of Labor Statistics, May 1919; vol. 8, p. 27-38.) *Also reprinted.*

By the Chief Town Planner of the Corporation.

**Ontario. Bureau of Municipal Affairs.** Report re housing for 1919, including reports of officials, statements as to operations of housing commissions, plans, etc. Toronto, Govt. Printer, 1920. 140 p. illus., plans.

**Purdy, L.** Better homes with more profit. (*In* Proceedings of 14th National Conference on City Planning, 1922, p. 186-190.)

A plea for more open development.

**Recent government housing developments.** Yorkship Village, Camden, N. J., by E. D. Litchfield; Atlantic Heights at Portsmouth, N. H., by W. H. Kilham; Union Park Gardens, Wilmington, Del., by E. G. Perrot. (*In* Proceedings of 7th National Conference on Housing, *Housing problems in America*, 1918, p. 82-117.)

**Seine (Dépt.) Office Public d'habitations à bon marché.** La constitution de l'Office des habitations à bon marché du département de la Seine. Son action et ses travaux du 10 juillet 1916 au 31 décembre 1918. Paris, [1918]. 195 p. plans.

Followed by a series of reports with plans of the garden suburb developments about Paris.

— **Southern Pine Association** (New Orleans). Homes for workmen. A presentation of leading examples of industrial community development. New Orleans, The Association, [1919]. 249 p. illus., plans.

**Successful examples of low cost housing in England and the United States**, including the new suburb of Flint, Michigan, Gidea Park, England, and a "Check List" of American housing developments. (*Architectural Review*, Apr. 1917; vol. 5, no. 4.)

**Thompson, F. L.** Site planning in practice; an investigation of the principles of housing estate development . . . with a foreword by Raymond Unwin. London, H. Frowde and Hodder & Stoughton, [1923]. 258 p. illus., plans. (Oxford Technical Publications.)

**U. S. Bureau of Industrial Housing and Transportation.** Report of the United States Housing Corporation, Vol. 2. Houses, site-planning, utilities. Washington, Govt. Printing Office, 1919. 524 + 19 p. illus., plans.

Edited by H. V. Hubbard. A compendium of information on low-cost residential districts. The photographs of completed developments are mainly in Vol. 1 (*see* 1431).

**U. S. Shipping Board.** Housing the shipbuilders. Constructed during the war, under the direction of the United States Shipping Board, Emergency Fleet Corporation, Passen-



ger Transportation and Housing Division. Philadelphia, Pa., 1920. 57 p. illus., plans. Some photographs of completed developments are shown.

**Veiller, L.** Industrial housing developments in America [a series of illustrated articles]. (Architectural Record, Mar.-Aug. 1918; vol. 43.)

**Walpole, Mass., Town Planning Committee.** Housing. (In its Town planning for small communities, 1917, p. 149-231. illus., plans.)

Deals with land developments for low-cost housing.

**Whitaker, C. H., ed., see 1430.**

**Wright, H.** Platting city areas for small houses. 1920. 16 p. illus. (Supplement to Journal of American Institute of Architects, Aug. 1920.)

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**1703 Ackerman, F. L.** The building of Manhattan. (Journal of American Institute of Architects, Apr. 1922; vol. 10, p. 114-120. illus., plans.)

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**Cram, R. A.** Scrapping the slum. (In *Ibid.*, p. 242-250; with discussion by T. Adams, p. 312-319.)

**Great Britain. Ministry of Health. Unhealthy Areas Committee.** Second and final report of the committee appointed by the Minister of Health to consider and advise on the principles to be followed in dealing with unhealthy areas. London, H. M. Stationery Office, 1921. 24 p.

**Unhealthy areas and town planning.** (Town Planning Review, Mar. 1921; vol. 9, p. 47-49.)

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**Veiller, L.** Slumless America. (In Proceedings of 12th National Conference on City Planning, 1920, p. 154-161.)

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#### Agricultural Areas

**1715 Adams, T.** Reserving productive areas within and around cities, a proposal to substitute agricultural wedges for zones. (Journal of American Institute of Architects, Oct. 1921; vol. 9, p. 316-319. diagr.)

**Bright, J. I.** The plan for Coconut Grove, Florida. Foreword by Thomas Adams. (Journal of American Institute of Architects, Apr. 1921; vol. 9, p. 110-127. illus., plans.)

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**Child, S.** The agricultural belts of garden cities. (Town Planning Institute, London, Papers and discussions, 1920-21, vol. 7, p. 104-105.)

**Eve, Sir T.** The agricultural belts of garden cities. (In *Ibid.*, p. 55-58; with discussion, p. 59-67.)

**Purdom, C. B.** What is an agricultural belt? (Garden Cities and Town Planning, Apr. 1921; vol. 11, p. 85-87.)

A comment on Sir Tristram Eve's paper. (*Ibid.*, p. 82-84.)

See also 5350; and 6100, especially **Comey** and **Whitten**.

#### Boundaries and Approaches

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**Unwin, R.** Of boundaries and approaches. (In his Town planning, 1909, etc., p. 154-174. illus.)

See also 1715, 2450 ff., 2550 ff., 4040, etc.

## PLATTING: SUBDIVISION OF CITY AREA INTO STREETS AND BLOCKS

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**1800 Lewis, N. P.** Planning of streets and street systems. (*In* Blanchard, A. H., ed., *American highway engineers' handbook*, 1919, p. 363-418. illus., plans; with bibliography.)

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— The street system. (*In* his *Planning of the modern city*, 1916 and 1923, p. 86-129. illus., plans.)

**Robinson, C. M.** City planning, with special reference to the planning of streets and lots. New York, G. P. Putnam's Sons, 1916. 344 p. illus., plans.

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**Haldeman, B. A.** The street layout. (*In* *American Academy of Political and Social Science, Housing and town planning*, 1914, p. 182-191.)

**Hurd, R. M.** Ground plan of cities. (*In* his *Principles of city land values*, 1903, p. 33-55. illus., plans.)

Types of plats in relation to development.

**Lewis, N. P.** The planning of undeveloped city areas. (*In* *Proceedings of 2d National Conference on City Planning*, 1910, p. 115-124.)

— Report of sub-committee on local subdivisions. (*In* *Proceedings of American Society for Municipal Improvements*, 1921, p. 176-195; with discussion, p. 193-195.)

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**Shirley, J. W.** The problem of extending the city plan. (*In* *Proceedings of 2d National Conference on City Planning*, 1910, p. 164-171.)

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**Shurtleff, A. A.** Bees and men as community planners. Based on a paper read by the author at the Winnipeg town planning conference. (*Landscape Architecture*, October 1921; vol. 12, p. 40-45.)

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— The public street systems of the cities and towns about Boston in relation to private street schemes. (*In* *Proceedings of 4th National Conference on City Planning*, 1912, p. 116-137. With papers on Newton and Watertown and discussion.)

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See also 1200 ff., Composition of city plans; 2050, Streets; 3000, Blocks and lots; 5200 ff., Types of city plans.

ELEMENTS OF CITY PLANS

CHANNELS OF TRANSPORTATION

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**Great Britain. Royal Commission on London Traffic.** Report of the Royal Commission appointed to inquire into and report upon the means of locomotion and transport in London. London, Wyman & Sons, 1905-06. 8 vols. illus., maps, plans.

An historic document on urban transportation.

**Haldeman, B. A.** Main thoroughfares and street railways. (In Nolen, J. ed., City planning, 1916, p. 279-313. illus., plans.)

**Lewis, N. P.** Transportation and the city plan. (In Proceedings of American Society for Municipal Improvements, 1920, p. 74-81.)

— The transportation system. (In his The planning of the modern city, 1916 and 1923, p. 54-85. illus., plans, cross-sections.)

**Lyford, W. H.** Cooperation vs. competition between motor truck and railroad transportation. (Good Roads, Nov. 22, 29, 1922; vol. 63, p. 181-183, 185-187 of Nov. 29.)

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**Maltbie, M. R.** Transportation and city planning. (In Proceedings of 5th National Conference on City Planning, 1913, p. 105-119. Introduction by B. J. Arnold, p. 103-104, and discussion, p. 119-137.)

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**Pride, G. H.** The interrelationship of highways, railways and waterways. (Good Roads, Mar. 22, 1919; vol. 17, p. 127-128.)

Paper at Annual Convention, American Road Builders' Association, 1919.

STREETS, ROADS, FOOTWAYS

**2050 Blanchard, A. H., ed.** American highway engineers' handbook. 1st ed. New York, John Wiley & Sons, 1919. 1658 p. illus., plans.

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**Olmsted, Vaux and Co.** Observations on the progress of improvements in street plans. With special reference to the park-way proposed to be laid out in Brooklyn. Brooklyn, I. Van Anden, 1868. 30 p.

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**Pollock, H. M., and W. S. Morgan.** City streets and some splendid types. (In their Modern cities, 1913, p. 66-84.)

**Practical street construction:** planning streets and designing and constructing the details of street surface, subsurface and super-surface structures. Reprinted from a series of articles which appeared in Municipal Journal during the year 1916. New York, Municipal Journal and Engineer, 1916. 248 p. illus., plans, cross-sections.

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**Stübgen, J.** Verschiedene Strassenarten; Längen- und Querschnitte; Strassen von besonderer Art; Strassenkreuzungen, Strassenweiterungen und Strassenvermittelungen. (*In his Der Städtebau, 1907, p. 62-147. illus., plans.*)

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**2056 Burnap, G.** Street nomenclature in city planning. (*Architectural Record, June 1922; vol. 51, p. 535-537.*)

**The Dundalk Co.** (Edward H. Bouton, President.) A competition in street-naming. (*Landscape Architecture, July 1918; vol. 8, p. 190-192. plan.*)

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**Husted, A. M.** System in naming and marking streets. (*American City, Feb. 1922; vol. 26, p. 176. illus.*)

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**Shay, G. D.** Street renumbering in Utica, N. Y. (*American City, May 1921; vol. 24, p. 459-460. maps.*)

**Motor Transportation as affecting Street Plans**

**2058 Adshead, S. D.** The lay-out of roads in relation to requirements. (*Town Planning Review, Jan. 1916; vol. 6, p. 163-170.*)

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**Goodrich, E. P.** The design of the street system in relation to vehicular traffic. (*In Proceedings of 14th National Conference on City Planning, 1922, p. 84-103; with discussion, p. 123-132.*)

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**Harger, W. G.** Effects of motor operation costs on highway location and grade design summarized. (*Engineering News-Record, Feb. 3, 1921; vol. 86, p. 201-203. diag.*)

**Lay, C. D.** Notes on the influence of automobiles on town, country, and estate planning. (*Landscape Architecture, Jan. 1920; vol. 10, p. 89-95. illus., plans.*)

**Lewis, N. P.** The automobile and the city plan. (*In Proceedings of 8th National Conference on City Planning, 1916, p. 35-56; with discussion, p. 68-90.*)

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**Schaeffer, A.** The conservation of existing facilities for the relief of traffic congestion. (*Municipal Engineers' Journal, New York, third quarterly issue, 1922; vol. 8, paper 132, p. 1-26. illus., plans; with discussion, p. 26-35.*)

A study of New York problems, relating traffic congestion to zoning, rapid transit, and housing.

**Legislation****Including Setbacks and Street Widening**

**2070 Boston Chamber of Commerce.** Report on city planning in relation to the street system in the Boston Metropolitan District. Statement from the Committee on City Planning transmitting a report prepared by F. Shurtleff. Boston, Mar. 1914. 19 p.

A legal report.

**Massachusetts Society for Promoting Agriculture.** The law of the roadside; How to protect our landscape; Electric lines in public ways; Shade trees in public ways; Insect pests; Trespass to real estate. 2d ed. [Boston, G. H. Ellis Co.], 1911. 95 p.

Although out of date, this compilation is still of interest, and suggestive of what might be done in any state.

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**Prichard, C. B.** Legal aspects of traffic control. (In Proceedings of 13th National Conference on City Planning, 1921, p. 137-154.)

**Simpson, J.** Liability of municipalities for fixed obstructions in streets. (Public Works, Feb. 28, 1920; vol. 48, p. 143-144.)

**Toronto Civic Guild.** Draft bill for deferred street widenings, with observations. [Toronto, Ont., 1922.] 15 p.

Note on power to establish building lines granted by passage of act in Journal of Town Planning Institute of Canada, June 1922; vol. 1, no. 10, p. 3-4.

**Williams, F. B.** Streets — setbacks — traffic regulations. (In his Law of city planning and zoning, 1922, p. 173-190.)

See also 722 ff., 770.

**2073 Brookline, Mass., Planning Board.** Building lines. (In its Annual report, 1915, p. 5-9. illus.)

Also in Landscape Architecture, Oct. 1916; vol. 7, p. 22-26. illus.

For a record of building lines established to Jan. 1, 1921, see its Annual report for 1920.

**Building lines.** Acts of New Jersey, Chapter 215, 1917. (City Plan, Aug. 1917; vol. 3, no. 2, p. 12.)

**Establishment** of building lines for aesthetic purposes . . . citing case of Windsor, Conn.,

"111 Atlantic 354." (Harvard Law Review, Feb. 1921; vol. 34, p. 433-434.)

**Cleveland City Plan Commission.** The building line ordinance. [1920.] 4 p. illus.

**Flint, Mich.** An ordinance to establish building lines. Approved Jan. 4, 1922. [7 p.] (Ordinance no. 301.)

**Locke, W. J.** Set back lines, power to establish them from a legal standpoint — opinions of legal authorities and courts. (Municipal Journal, New York, Dec. 21, 1918; vol. 45, p. 487-488.)

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**New York (City) Board of Estimate and Apportionment.** Committee on the City Plan. Establishment of setbacks or court yards in the City of New York. 1917. 15 p. illus.

**Olmsted, F. L.** Building lines in the first ward of New Haven. (In Report of New Haven Civic Improvement Commission, 1910, p. 133-138.)

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**Set-back lines** as an aid to better and cheaper layouts. (American City, Feb. 1917; vol. 16, p. 144-148. cross-sections.)

**Shurtleff, F.** Building lines. (In Proceedings of the Fourth Annual City and Town Planning Conference of Massachusetts Planning Boards, 1916, p. 21-24; with discussion, p. 24-29.)

For front yards or setbacks as area provisions in zoning regulations, see 1600, Zoning.

**2074 Lewis, N. P.** Street widening to meet traffic demands. (In Proceedings of 9th National Conference on City Planning, 1917, p. 43-59; with discussion, p. 67-78.)

Also condensed in City Plan, Aug. 1917; vol. 3, no. 2, p. 9-11; and Good Roads, May 26, 1917; vol. 13, p. 309-313.

Methods of widening, with examples.

**Rey, A. A.** Street widening in close built areas by successive stages. (Town Planning Review, Apr. 1914; vol. 5, p. 39-46. illus.)

**Robinson, C. M.** Various methods of street widening. (In his City planning, 1916, p. 265-276. illus.)

See also 2105, Street width.

### Street Traffic

**2076 Eno, W. P.** The science of highway traffic regulation, 1899-1920. New York, Brentano's, Apr. 1920. 100 p. illus., plans, diagr.

The authoritative work on the subject. Contains bibliography of numerous useful special articles by the writer and others; and "General Highway Traffic Regulations," a standard traffic act, also issued separately, revised to Mar. 1923.

**American Society for Municipal Improvements.** Traffic and transportation regulations: tentative recommendation presented by a Committee, Oct. 1922. (Good Roads, Oct. 25, 1922; vol. 63, p. 147-148.)

Covers policies to be adopted by the Society in 1923 regarding weights of motor trucks, sign-posting, safety zones, vehicular and pedestrian traffic regulations, etc.

**Fixmer, H. J.** Road design and regulation of traffic. (Engineering and Contracting, Apr. 2, 1919; vol. 51, p. 328-331. illus.)

Tables showing relation between roadway-width and width and speed of self-propelled vehicles, etc.

**Gillespie, J.** The automobile and street traffic. (*In Proceedings of 8th National Conference on City Planning, 1916, p. 57-67.*)

**Lewis, N. P.** Street traffic. (*In his The planning of the modern city, 1916 and 1923, p. 200-219. illus., plans.*)

**Mehren, E. J.** Practical regulation of highway transport. (Engineering News-Record, May 25, 1922; vol. 88, p. 871-873.)

Address before Highway Transport Session of the Chamber of Commerce of the U. S. A., Washington, 1922.

**Swan, H. S.** Speeding up traffic at street intersections. Slow ups and hold ups at intersecting streets one of chief causes of automobile congestion — relief measures outlined — traffic survey a prerequisite. (Engineering News-Record, Mar. 1, 1923; vol. 90, p. 400-404. diagr.) *Also reprinted.*

**Talbert, C. M.** An "accident map" and its uses. (American City, May 1918; vol. 18, p. 430-432. maps.)

Comparative "accident" and traffic maps as an aid to study of needed street revisions.

**Unwin, R.** America revisited — A city planner's impressions. (American City, Apr. 1923; vol. 23, p. 334-336. diagr.)

Comparison of American and European traffic conditions.

**Whitten, R. H.** Unchoking our congested streets. (American City, Oct. 1920; vol. 23, p. 351-354. illus.)

The pamphlets issued by the National Automobile Chamber of Commerce (New York City) are useful for reference in this connection.

For discussion of relation of street traffic accidents to street lighting, see **2310**.

See also **2000, Great Britain**, for mass of information on street traffic assembled by the Royal Commission on London Traffic.

**2076.1 Goodsell, D. B.** Traffic census; its application to the design of roadways, selection of pavements, and traffic regulations. (Good Roads, Feb. 17, 1917; vol. 51, p. 118-120; with bibliography.)

See also **2120**, article by Crosby.

**Herrold, G. H.** Diagram for analyzing city traffic used by City Planning Board, St. Paul, Minn. (Engineering News-Record, July 7, 1921; vol. 87, p. 33. diagr.)

**Highway traffic committee** (of New Jersey State Association of County Engineers) urges advance planning. Answers to questionnaire indicate need for standardization of traffic census methods and results. (Engineering News-Record, Feb. 24, 1921; vol. 86, p. 338-340. diagr.)

**Johnson, A. N.** The traffic census and its use in deciding road width. (Public Roads, July 1921; vol. 4, no. 3, p. 6-9, 23. diagr.)

— Traffic counts in various states. Brief description of the progress made in traffic censuses — classifications adopted. (Good Roads, Jan. 12, 19, 26, Feb. 2, 1921; vol. 21, p. 14, 16-17, 22-23, 38, 48, 63, 79.)

From a paper before annual convention of American Association of State Highway Officials, Washington, D. C., 1920.

**2076.2 Sohler, W. D.** Motor vehicles and the highways. (Public Roads, Oct-Nov. 1919; vol. 2, no. 18-19, p. 39-41.)

Regulation of size and weight necessitated by excessive road costs.

**Tomlin, R. K., Jr.** The trend of motor-vehicle legislation, digest of laws of the 48 states relating to license fees and regulation of weights, dimensions and speeds of passen-

ger automobiles and motor trucks. (Engineering News-Record. Sept. 1, 1921; vol. 87, p. 354-365. tables.)

Would regulate size, weight and speed of motor trucks. (Good Roads, June 7, 1922; vol. 62, p. 319-320.)

Summary of action proposed at National Highway Traffic Association convention, New York, 1922.

**2076.3** Eno. Standard traffic act. See 2076.

Shirley, H. G. Relation of the proposed uniform vehicle law to municipal traffic regulations. (In Proceedings of the American Society for Municipal Improvements, 1920, p. 107-111.)

Abstract in Good Roads, Nov. 3, 1920; vol. 20, p. 215, 218. Editorial note, p. 217.

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Swan, H. S. Automobile control, city planning and traffic regulation. Limits of car operation in relation to speed and road capacity demand better street plans and traffic rules. (Engineering News-Record, Feb. 22, 1923; vol. 90, p. 351-353. diagr.)

See also 2128, Safety isles and zones; 2135, Street intersections; 2309, Street traffic signs and signals.

McConaghie, J. R. The use of paint on roads to direct traffic. I. How painted lanes and safety zones protect the pedestrian. II. How it aids in simplifying the parking problem; types of paints employed and method of application. (Good Roads, Aug. 9-16, 1922; vol. 63, p. 47-49, 54, 56-58, 62. illus.)

Nye, G. H. Is the road surface the proper place for direction signs? (American City, Nov. 1922; vol. 27, no. 5, p. 434-436. diagr.)

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Swan, H. S. Our city thoroughfares — shall they be highways or garages? A consideration of the parking problem. (American City, Dec. 1922; vol. 27, p. 496-500. illus., plan.)

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#### Multi-level Streets

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**Routh, J. W.** Street classification as an aid to pavement design. (Municipal Journal, New York, Sept. 6, 1919; vol. 47, p. 148-149.)

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**Baxter, S.** Covered ways for a business district. (In Proceedings of 2d National Conference on City Planning, 1910, p. 149-152.)

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**Maltbie, M. R.** Arcades and their usefulness in the modern city plan. (House and Garden, May 1914; vol. 5, p. 252-257. illus.)

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**Whitten, R. H.** The use of sidewalk arcades in street widenings. (American City, Nov. 1920; vol. 23, p. 537, 539. plan.)

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### Major Traffic Streets and Squares

**2170 Cheney, C. H.** Traffic street plan and boulevard system adopted for Portland, Oregon. (American City, July 1921; vol. 25, p. 47-51. diagr.)

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— Thoroughfare plan and program for Cleveland, Ohio. (Engineering News-Record, Mar. 3, 1921; vol. 86, p. 382-386. plan, diagr.)

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**2188 Church, T. A.** Tunnel streets at San Francisco. (Municipal Journal, New York, June 3, 1915; vol. 38, p. 767-768.)

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**Holland, C. M.** Linking New York and New Jersey: the isolation of these two states from each other to be overcome by new vehicle tunnels. (*American City*, Mar. 1921; vol. 24, p. 231-232. plan.)

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**2197 Shurtleff, A. A.** Squares at traffic centres. (*In Report of Massachusetts Metropolitan Improvements Commission, 1909*, p. 206-210. plans.)

— Traffic control and its application to the redesign of Copley Square, Boston. (Stone & Webster, *Public Service Journal*, Mar. 1915; vol. 16, p. 178-185. illus., plans.) *Also reprinted. Revised in Landscape Architecture*, Jan. 1916; vol. 6, p. 61-71.

**Stübben, J.** Verkehrsplätze. (*In his Der Städtebau, 1907*, p. 147-155. plans.)  
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#### Parkways, Boulevards, and Pleasure Roads

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**Buchholz, W.** Acquirement of Kansas City park and boulevard system and its effect on real estate values. (*In Proceedings of 9th National Conference on City Planning, 1917*, p. 96-105.)

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**Mawson, T. H.** Boulevards, parkways, avenues and plantations. (*In his Civic art, 1911*, p. 147-158. illus., cross-sections.)

**Olmsted Brothers.** Classes of parkways. (*In their Report on a proposed parkway system for Essex County, New Jersey, June 4, 1915*; p. 3-15. cross-section.) By J. C. Olmsted.

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**Robinson, C. M.** On great avenues; Parkways. (*In his Modern civic art, 1918*, etc., p. 206-227. 307-320. illus.)

— Public reservations other than the streets. (*In his City planning, 1916*, p. 182-208. illus., plans.)

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**2213 Bridle paths in parks.** (*Parks and Recreation*, Jan. 1921; vol. 4, p. 148.)

**Dinsmore, W.** Bridle paths in city parks. (*Park International*, Nov. 1920; vol. 1, p. 245-249. illus.)

#### Local Business Streets and Squares

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An example of the problems of local business streets, as well as of thoroughfares.

**Fifth Avenue Association, New York.** Note especially its little periodical *The Avenue* devoted to the interests of this famous shopping street.

A "model" business street. (*American City*, Feb. 1912; vol. 6, p. 492-493.)

Summarizes suggestion of T. F. Anderson in *New Boston*, Sept. 1911, for the building of a model street.

**Hurd, R. M.** Currents of travel. (*In his Principles of city land values, 1903, p. 89-96.*) Discusses streets for retail shopping.

**Parker, Barry.** [Arrangement of shops about courts.] (*In his Report on Oporto, Portugal, 1916, p. 9-16. plans. Printed in English at Garden City Press, Letchworth.*) Discusses also colonnades.

*See also 2161.*

**2233 Farr, A.** A plea for better business centers in our suburban towns. (*Architect and Engineer, Dec. 1918; vol. 55, p. 81-85. illus., plan.*)

The example of Lake Forest, Ill.

*See also 1627, 1630.*

**2234 MacDonal, M.** Return of the market place: how it helps the housewife to buy direct from the farmer. (*Craftsman, Nov. 1913; vol. 25, p. 131-142. illus.*)

**Rappaport, P. A.** Die Entwicklung des deutschen Marktplatzes. Berlin, W. Ernst & Sohn, 1914. 64 p. illus., plans. (*Städtebauliche Vorträge, Bd. 7, Heft 3.*)

*See also 1443.*

**Residential Streets and Squares**

**2235 Bouton, E. H.** Local and minor streets. (*In Nolen, J. ed., City planning, 1916, p. 88-102. plans, cross-section.*)

**Davis, T. J.** Ornamental street entrance designs for suburban districts. (*American City, Apr. 1916; vol. 14, p. 351-355. illus.*)

Examples from Southern California.

**Robinson, C. M.** The narrowing of minor residence streets as affecting tenant and owner. (*In Proceedings of 3d National Conference on City Planning, 1911, p. 188-197.*)

— The platting of minor residence streets for high-class districts; The platting of minor streets for humble homes; The development of residential streets. (*In his City planning, 1916, p. 127-162, 209-226. illus., plans.*)

**Unwin, R.** Of site planning and residential roads. (*In his Town planning in practice, 1909, etc., p. 289-318. illus., plans.*)

*See also 1675 ff.*

**2238 Cecil, E.** Squares. (*In her London parks and gardens, London, A. Constable & Co., 1907, p. 217-241. illus.*)

**Noyes, J.** The "places" of St. Louis; an effective development of residential streets

with building restrictions. (*American City, Mar. 1915; vol. 12, p. 206-208. illus.*)

**Philadelphia Bureau of Surveys.** Neighborhood squares and garden streets. (*In its Annual report, 1915, p. 3-9. plans.*)

**Suerer, S. L.** The "places" of St. Louis, a form of suburban community peculiar to the World's Fair City. (*House and Garden, Apr. 1904; vol. 5, p. 187-191. illus., plans.*)

**Shurtleff, A. A.** Squares in residential sections. (*In Report of Massachusetts Metropolitan Improvements Commission, 1909, plans opp. p. 210.*)

**Stübgen, J.** Cités, Courts, Buildings. (*In his Der Städtebau, 1907, p. 64-65. plans.*)

**Alleys**

**2242 Adams, T.** Alleys — part of report on Ojibway plans. (*Conservation of Life, Canada, Oct. 1918; vol. 14, p. 77-78.*)

**Bacon, Mrs. A. F.** Alleys. (*In Proceedings of 1st National Conference on Housing, Housing Problems in America, 1911, p. 39-46; with discussion, p. 136-140.*)

**Ball, C. B.** The alley problem. (*In Ibid., 4th Conference, 1915, p. 131-140; with discussion, p. 141-148.*)

*Also in National Real Estate Journal, Oct. 15, 1915; vol. 12, p. 284-288.*

**Hornbostel, H., and others.** The alleys. (*In their Comprehensive plan of Johnstown, report to City Planning Commission and the City Council of Johnstown, Pa., 1917, p. 69-79. illus.*)

**Howell, W. A.** Advantages and disadvantages of alley systems in large cities. (*In Proceedings of American Society of Municipal Improvements, 1909; vol. 16 p. 187-193.*)

The provision of secondary access to houses. (*Housing, Aug. 30, 1919; vol. 1, p. 56-57. plans.*)

**Robinson, C. M.** [Arguments for and against the inclusion of alleys in high-class residential subdivisions.] (*In his City planning, 1916, p. 144-146.*)

*Also other references to alleys, passim.*

**U. S. Bureau of Industrial Housing, etc.** Alleys. (*In its Report of the United States Housing Corporation, vol. 2, 1919, p. 78.*)

Illustrated by lay-out plans given in the report.

*Alleys* (cont.)

**Veiller, L.** Buildings in relation to street and site. (*In* Proceedings of 3d National Conference on City Planning, 1911, p. 80-117.) Partly on alleys.

Among cities which have alley systems may be mentioned especially Baltimore, Washington, Louisville, Savannah, Detroit, and Chicago.

**Footways. Sidewalks**

**2250 Robinson, C. M.** The development of residential streets. (*In* his City planning, 1916, p. 209-226. illus.)

Lays especial emphasis on sidewalks and paths in residential districts.

**2252 Blanchard, A. H., and H. B. Drowne.** Sidewalks, curbs, and gutters. (*In* their Text book on highway engineering, 1914, p. 669-685. illus., cross-sections.)

**Brooke, M.** Sidewalks. (*In* Blanchard, A. H., ed., American highway engineers' handbook, 1919, p. 1367-1382. illus.; with bibliography, p. 1394-1395.)

**Fixmer, H. J.,** see **2105.**

**Folwell, A. P.** The street cross-section; Sidewalks, curbs, and gutters. (*In* his Municipal engineering practice, 1916, p. 81-90, 120-137. illus., plan.)

**Grimes, J. L.** The relation of sidewalks to shade tree planting. (*American City*, May 1913; vol. 8, p. 499-501. illus.)

For other references related to this subject, see **2116** and **4875 ff.**

[Paris seriously considering moving sidewalks.] (*American City*, Mar. 1922; vol. 26, p. 281.)

**Sidewalks, etc.** (*In* Practical street construction, see **2050**, p. 114-124, 165-175, 223-232. illus.)

Standard specifications for concrete sidewalks will be found in the report of the United States Housing Corporation, vol. 2, and in the Proceedings of the American Society for Municipal Improvements, 1919 and 1920.

See also **2105**, for the sidewalk as a unit in planning street widths.

**2253 Boecklin, W.** Constructing automobile ramps and runways. (*Country Life*, in America, Oct. 1922; vol. 42, p. 78, 80, 82. illus., plans.)

Across sidewalks.

**Street crossings and driveways** — private driveways across sidewalks. (*Municipal Journal and Engineer*, Jan. 12, 1910; vol. 28, p. 54-55. illus., plans.)

Letter from F. L. Olmsted pursuant to this article, *Ibid.*, Feb. 9, p. 209.

**2256 Olmsted, F. L.** Notes upon the sizes of steps required for comfort. (*Landscape Architecture*, Jan. 1911; vol. 1, p. 84-90. diagr.)

**Steps** up San Francisco sidewalks. (*Municipal Journal*, New York, Feb. 8, 1919; vol. 46, p. 108. illus.)

Brief note on an interesting treatment of steep gradients.

**Street Furniture**

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**Ford, F. L.** A study of some representative European ports in the summer of 1909. (*In* Report of Connecticut Rivers and Harbors Commission, 1911, p. 23-71. illus., plans.)

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**Kimball, F.** The social center: Part 1, Commercial and coöperative enterprises. — Part 2, Philanthropic enterprises. — Part 3, Civic enterprises. (*Architectural Record, May, June, July, 1919; vol. 45, p. 417-440, 526-543; vol. 46, p. 29-46. illus., plans.*)

**May, C. C.** A post-war construction program: the building bureau of the International Committee of the Y. M. C. A. (*Architectural Record, Mar., Apr. 1919; vol. 45, p. 217-241, 325-342. illus., plans.*)

*The articles include neighborhood buildings suitable for industrial communities and boys' Y. M. C. A. buildings for cities.*

**Nason, W. C.** Plans of rural community buildings. Washington, 1921. (*U. S. Dept. of Agriculture, Farmers' Bulletin 1173. illus., plans.*)

*Supplemented by Bulletin 1192 on organization methods.*

**Whitney, A. L.** Clubs, gymnasiums, and recreation grounds for employees. (*U. S. Bureau of Labor Statistics, Monthly Review, Nov. 1917; vol. 5, p. 201-212.*)

**Wilson, S.** The community house; an element in reconstruction. (*American City, Dec. 1918; vol. 19, p. 467-470.*)

*See also several references to community buildings as war memorials under 1292; and see also 4318, Recreation center playgrounds.*

**3585 Foster, P. W.** The modern hospital in the city plan. (*The Modern Hospital, Mar. 1923; vol. 20, p. 205-209. illus., plans.*)

**3590 Pray, J. S.** The treatment of church exteriors. (*In Reports of papers presented at the third convention of the Religious Education Association in Boston, 1905, Dept. XVII, Bulletin no. 2, p. 407-411.*)

*A paper for the Department of religious art and music.*

**Wolff, F.** Über die Stellung der Kirchen im Stadtplan. (*Städtebau, Feb. 1904; vol. 1, p. 23-25. plans.*)

**Commercial and Industrial Buildings**

**3595 American Architect.** Special numbers devoted to industrial buildings: — Mar. 22, 1916, Feb. 21, 1917, and Feb. 27, 1918; vol. 109, no. 2100, vol. 111, no. 2148, vol. 113, no. 2201.

*Commercial and Industrial Buildings (cont.)*

**Brickbuilder**, Sept. 1916; vol. 25, no. 9. Special number on manufacturing and industrial buildings, including illustrations of representative buildings of Eastern and Middle Western states.

**Nimmons, G. C.** Modern industrial plants—series of 8 articles. (*Architectural Record*, Nov. 1918–June 1919; vol. 44–45. illus., plans.)

**3600 Boyd, J. T., Jr.** The newer Fifth Avenue retail shop fronts, an American contribution to modern art. (*Architectural Record*, June 1921; vol. 49, p. 458–487. illus.)

**Embury, A., II.** Make your town attractive—distinctive shops. (*House Beautiful*, Aug. 1915; vol. 38, p. 76–78. illus.)

**Harmonizing the shop with its environment: Kansas City "Country Club District" shops.** (*National Real Estate Journal*, May 9, 1921; vol. 22, no. 10, p. 28–29. illus.)

**Lasker, B.** The shop in the suburb. (*Garden Cities and Town Planning*, Mar. 1913; vol. 3, p. 83–84.)

**Wheatley, H. B.** Old London shop fronts. (*Country Life*, London, Nov. 14, 1908; vol. 24, p. 653–656. illus.)

**3615 Communal kitchens for new town planning; should the Government insist on their inclusion in the coming schemes?** (*Municipal Journal*, London, Oct. 4, 1918; vol. 27, p. 993. Editorial note, p. 990.)

There are numerous other brief items on community kitchens in the file of the *Municipal Journal* for 1918.

**Residences. Low-cost Houses***United States*

**3633 Architects' Small House Service Bureau.** How to plan, finance and build your home. Published for the Southern Pine Association, New Orleans, by the Architects Small House Service Bureau of Minnesota, [1920]. 155 p. illus., plans.

— Items from the annual report of the president. (*Journal of American Institute of Architects*, Mar. 1923; vol. 11, p. 117–118.)

**Hamlin, W. A.** Low-cost cottage construction in America; a study based on the housing collection in the Harvard Social Museum. Cambridge, 1917. 30 p. illus., plans. (Publications of the Department of Social Ethics in Harvard University, Number 7.)

Contains list of principal low-cost cottage housing enterprises in the United States.

**Sherman, L. K.** The cost of housing. A comparison of building costs in 1913 and 1919 based on a 6-room dwelling, following experience of United States Housing Corporation. (*American Contractor*, Jan. 17, 1920; vol. 41, no. 3, p. 31–35. illus., plans, tables.)

**Southern Pine Association.** Homes for workmen. A presentation of leading examples of industrial community development. New Orleans, The Association, [1919]. 250 p. illus., plans.

A useful compilation of articles (most of them reprints) by well-known writers on housing, including many typical house plans.

**Successful examples of low-cost housing in England and the United States, including the new suburb of Flint, Mich., Gidea Park, England, and a "Check List" (by Davison) of American housing developments.** (*Architectural Review*, Apr. 1917; vol. 5, no. 4, whole number. illus., plans.)

**U. S. Bureau of Industrial Housing and Transportation.** Standards recommended for permanent industrial housing developments. Washington, Govt. Printing Office, 1918. 15 p.

For full report of the United States Housing Corporation, containing house-plans, etc., see **1697**.

**U. S. Dept. of Commerce. Advisory Committee on Building Code.** Recommended minimum requirements for small building construction. See **3460**.

**U. S. Shipping Board.** Passenger Transportation and Housing Division. Types of housing for shipbuilders constructed as a war necessity under the direction of Passenger Transportation and Housing Division, Emergency Fleet Corporation. 1919. 125 plates. plans.

**Veiller, L.** The government's standards for war housing; Part 2 in series of articles: Industrial housing developments in America. (*Architectural Record*, Apr. 1918; vol. 43, p. 344–359.)

For additional references on types of houses erected by the United States for housing war workers, see **1697, U. S.**, and extensive bibliography in report of United States Housing Corporation, 1919.

*Great Britain*

**Great Britain. Local Government Boards for England and Wales, and Scotland.** Report of the Committee appointed by the President of the Local Government Board and the Secretary for Scotland to consider questions of building construction in connection with the provision of dwellings for the working classes in England, Wales, and Scotland and report upon methods of securing economy, and despatch in the provision of such dwellings. London, H. M. Stationery Office, 1918. 97 p. illus. plans. (Cd. 9191.)

Known as the "Tudor-Walters" report and deals with the town planning aspect as well as house construction. Mr. Raymond Unwin is largely responsible for the technical conclusions set forth. The report is called by the *Garden Cities and Town Planning Magazine* "the most important (British) Government publication on housing that has yet appeared." It was reviewed by Mr. H. R. Aldridge, Secretary of the National Housing and Town Planning Council in the *Municipal Journal*, London, Nov. 15 and 22, 1918.

**Great Britain. Ministry of Health.** Type plans and elevations of houses designed by the Ministry of Health in connection with state-aided housing schemes. London, H. M. Stationery Office, 1920. [45 plates.]

**Thompson, F. L., and E. G. Allen.** The town plan and the house; an opportunity for national economy. London, The Garden Cities and Town Planning Association [1916?]. 41 p. illus., plans, diagr.

Emphasizes the relation of the individual house to the whole scheme.

See also 1430 ff., 1697, 5350.

**3639 Byers, C. A.** The community court, its practical and artistic possibilities. (Touchstone, Apr. 1918; vol. 3, p. 58-59, 93-95. illus.)

Inexpensive dwellings in California.

**Dana, R. H., Jr.** The group house — its advantages and possibilities: the mania for the detached house. (In 7th National Conference on Housing, Housing problems in America, 1918, p. 201-210; with discussion, p. 303-311.)

Also article in *American Architect*, Jan. 29, 1919; and *Architectural Review*, Feb. 1920, under same title.

**3641 Boyd, J. T.** Garden apartments in cities. (*Architectural Record*, July, Aug. 1920; vol. 48, p. 52-74, 121-135. illus., plans.)

**Newman, B. J.** Shall we encourage or discourage the apartment house? (In 5th National Conference on Housing, Housing problems in America, 1916, p. 153-166; with discussion, p. 328-348.)

**3644 Ackerman, F. L.** The Phelps-Stokes Fund tenement house competition. (*Journal of American Institute of Architects*, Mar. 1922; vol. 10, p. 76-82. plans.)

**Hall, P. F.** The menace of the three-decker. (In 5th National Conference on Housing, Housing problems in America, 1916, p. 133-152; with discussion, p. 321-327.)

**Housing conditions.** Program of architectural competition for the remodeling of a New York City tenement block under the auspices of Joint Legislative Committee on Housing and the Reconstruction Commission of the State of New York, Mar. 26, 1920. (In New York State Reconstruction Commission, Report on the housing situation, 1920, p. 77-94.)

**Price, G. M.** Tenement-house inspector. 2d rev. ed. New York, Chief Publishing Co., 1910. 287 p.

Standards of municipal inspection, useful for a housing survey.

**Smith, H. A.** Garden apartments for industrial workers. (*American Architect*, May 22, 1918; vol. 113, p. 686-689. illus., plans.)

**Thomas, A. J.** Is it advisable to remodel slum tenements? (*Architectural Record*, Nov. 1920; vol. 48, p. 417-426. illus., plans; with discussion by R. D. Kohn, p. 425-426.)

**Veiller, L.** A model housing law. 2d rev. ed. New York, Russell Sage Foundation, 1920. 430 p. illus., plans.

An important work. Refers mainly to tenement houses.

**Minor Buildings**

For park buildings, including bandstands, see 4055.

**3675 Adshead, S. D.** Shelters. (*Town Planning Review*, July 1914; vol. 5, p. 139-140. illus., plan.)

**3677 Armstrong, D. B.** Public comfort stations: their economy and sanitation. (*American City*, Aug. 1914; vol. 11, p. 94-102. illus.)

*Minor Buildings (cont.)*

**Cosgrove, J. J.** A comfort station as a public utility. (*Ibid.*, Feb. 1917; vol. 16, p. 180-181, 183. illus., plan.)

**Ford, F. L.** Monograph on public comfort stations. (*In* 4th annual report of Hartford Commission on the City Plan, 1911, p. 13-76. illus.)

**Gerhard, W. P.** Public comfort stations. (American City, May 1916; vol. 14, p. 449-457. illus., plan, cross-sections.) *Also reprinted.*

**Simons, G. W., Jr.** More public convenience stations needed. (*Ibid.*, Nov. 1920; vol. 23, p. 471-475. illus.)

**3685 Lowe, L.** Service stations as an asset to the city. (American City, Aug. 1921; vol. 25, p. 151, 153. illus.)

Automobile service stations.

[Note on Berkeley, Calif. ordinance on location of gasoline and oil stations.] (Garden Cities and Town Planning, Dec. 1922; vol. 12, p. 198.)

#### Building Groups. Monumental Squares Civic Centers

**3700. Brinckmann, A. E.** Platz und Monument. Untersuchungen zur Geschichte und Ästhetik der Stadtbaukunst in neuerer Zeit. Berlin, E. Wasmuth, 1908. 175 p. illus., plans.

**Brunner, A. W.** The civic center. A paper before the American Civic Association. (National Municipal Review, Jan. 1923; vol. 12, p. 16-19.)

**Cleveland, O., Board of Supervision for Public Buildings and Grounds.** The group plan of the public buildings of the City of Cleveland. New York, 1903. [17 p.] illus., maps, diagr.

Report by Messrs. Burnham, Carrère, and Brunner, containing a number of illustrations of foreign examples.

Plan explained by Mr. Brunner *in* Proceedings of 8th National Conference on City Planning, 1916, p. 14-24.

**Fisher, T. M.** The Denver civic center. (Architectural Record, Mar. 1923; vol. 53, p. 189-201. illus., plan.)

Several articles on this civic center have appeared *in* *Municipal Facts*, published by the city of Denver.

**Ford, F. L. comp.** The grouping of public buildings. Hartford, Conn., 1904. 85 p. illus., plans. (Publications of the Municipal Art Society of Hartford, Conn., Bulletin no. 2.)

**Githens, A. M.** The group-plan. (Brickbuilder, July, Sept. 1906; vol. 15, p. 134-138, 179-182. illus., plans.)

On the theory of building grouping.

**Gaudet, J.** L'architecture et les voies publiques: places monumentales. (*In* his *Éléments et théorie de l'architecture*, Paris, Librairie de la Construction Moderne, 1909; vol. 4, p. 49-70. illus., plans.)

**Hegemann, W., and E. Peets.** The American Vitruvius, *see* 3455.

Discusses grouping of buildings with historical examples.

**Lewis, N. P.** Public buildings and civic centers. (*In* his *The planning of the modern city*, 1916 and 1923, p. 149-174. illus., plans.)

*See also* his paper before National Conference on City Planning, 1627.

**Mawson, T. H.** Civic centres. (*In* his *Civic art*, 1911, p. 97-111. illus., plans.)

**Municipal art at its best — group at Springfield, Mass.** (Parks and Recreation, Nov.-Dec. 1922; vol. 6, p. 115-116. illus.)

**Price, M.** Capitol Park, Harrisburg, Pa., A. W. Brunner, architect. (Architectural Record, Apr. 1923; vol. 53, p. 286-306. illus., plans.)

**Reid, J., Jr.** The San Francisco civic center. (Journal of American Institute of Architects, Aug. 1916; vol. 4, p. 334-336 + plate opp. 319. illus., plan.)

A more recent description appeared in *American City*, Dec. 1918.

**Sitte, C.** Der Städtebau nach seinen künstlerischen Grundsätzen. Ein Beitrag zur Lösung moderner Fragen der Architektur und monumentalen Plastik unter besonderer Beziehung auf Wien. *See* 250.

**Unwin, R.** Of centres and enclosed places. (*In* his *Town planning*, 1909, etc., p. 175-236. illus., plans.)

**Zueblin, C.** Civic centers. (*In* his *American municipal progress*, 1916, p. 345-348.)

Contains bibliography.

Note the Park Commission Plan for Washington, 1902 (*see* list on p. 43), and further the Public Buildings Commission report, 1918 (65th Congress, 2d session, Senate Document no. 155.)



The reports on grouping of public buildings for St. Louis and Milwaukee (both 1919) should be especially noted, prepared in connection with comprehensive plans by municipal authorities.

**Brainerd, H. B.** Neighborhood center: group plan for Brooklyn Civic Center, Cleveland. (Parks and Recreation, July 1921; vol. 4, p. 297-299. plan.)

Based on report of Cleveland City Plan Commission, Oct. 1920.

**Damon, G. A.** How to handle "Four Corners"; architects offer ideas for neighborhood centers. (American City, Oct. 1914; vol. 11, p. 331-332. plans.)

Competition held under auspices of Throop College of Technology, Pasadena, Calif.

**Greeley, W. R.** Village centres of old New England. Concord and Newburyport present interesting types. (House Beautiful, Jan. 1920; vol. 47, p. 20-21. illus., maps.)

**Muller, A. F.** Community centers for small cities; economic and esthetic necessities of our modern communities. (American City, Town and County Edition, July 1915; vol. 13, p. 7-9. illus., plan.)

**Waugh, F. A.** Civic centers. (In his Rural improvement, 1914, p. 83-101. illus., plans.)  
See also 1627, 3563.

**3722 Abercrombie, P.** The university in relation to the planning of the city. (In Papers and discussions of the Town Planning Institute, London, 1922-23; vol. 9, p. 33-50; with discussion p. 51-54. illus., plans.)

**Geddes, P.** The proposed University for Central India. A reprint from *Town Planning towards City Development*, a report to the Durbar of Indore. Indore, 1918. 73 p.

The full report in 2 vols. was published by B. T. Batsford, London.

**3724 Budden, L. B.** The relation of exposition planning to civic design. (Town Planning Review, Jan. 1916; vol. 6, p. 153-162 + plates 34-44. illus., plans.)

The books and articles on the World's Columbian Exposition, Chicago, 1893, and the Panama-Pacific Exposition, San Francisco, 1915, should be used for views and descriptions of these two expositions, both especially significant to city planning.

**BRIDGES**

**3740 Artistic value of water fronts and bridges in city building.** (Fine Arts Journal, Nov. 1914; vol. 31, p. 524-534. illus.)

**Bournon, F.** La Seine, ses quais et ses ponts. (In his La voie publique et son décor, 1909, p. 77-92. illus.)

**Bragdon, C.** Abstract thoughts on concrete bridges. (Architectural Record, Jan. 1923; vol. 53, p. 3-10. illus.)

The relation of the structural and esthetic elements in bridge design.

**Cambridge Bridge Commission.** Report upon the construction of Cambridge Bridge. Boston, City Printing Dept., 1909. 363 p. illus., plans.

**Delaware River Bridge Joint Commission** (Pennsylvania and New Jersey). Report on the bridge over the Delaware River connecting Philadelphia, Pa., and Camden, N. J. Report of June 9, 1921. 25 p. + 19 plates of plans, cross-sections, etc.

Treats of the city planning considerations entering into its location and design.

**Gaudet, J.** Les ponts. (In his Éléments et théorie de l'architecture, 1909, vol. 4, p. 71-87. illus.)

**Lindenthal, G.** Some thoughts on long-span bridge design. (Engineering News-Record, Nov. 24, 1921; vol. 87, p. 861-864.)

By the builder of the Hell Gate bridge, with special reference to the proposals for the Delaware River bridge.

**Symons, T. W., and F. L. Olmsted, Jr.** The city and the Allegheny River bridges. Pittsburgh Civic Commission, 1910. 37 p. illus.

Also published in Pittsburgh main thoroughfares and the down-town district, p. 133-165. illus.

**Tyrrell, H. G.** Artistic bridge design. A systematic treatise on the design of modern bridges according to aesthetic principles. Chicago, M. C. Clark Publishing Co., 1912. 294 p. illus.

See also his *History of Bridge Engineering*.

— Esthetic treatment of city bridges. (American City, Nov. 1913; vol. 9, p. 404-411. illus.)

**Waddell, J. A. L.** Esthetics in bridge design. (American City, Town and County Edition, Mar. 1918; vol. 18, p. 209-214. illus.)

*Bridges (cont.)*

Valuable references on bridges in relation to the city plan may frequently be found in local city plan reports. The discussion in the Pittsburgh and Portland (Ore.) major street plan reports (*see list on p. 43 ff.*) should be especially noted.

**Minor Structures**

*See also 2290 ff., Street furniture.*

**3820 Adshead, S. D.** The decoration and furnishing of the city, nos. I–XV. (Town Planning Review, Apr. 1911–Oct. 1914; vol. 2—vol. 5. illus.)

These articles are entered under individual subjects in this list.

**Baxter, S.** Art in the street. (Century, Mar. 1906; n.s., vol. 49, p. 697–705. illus.)

**Bournon, F.** La voie publique et son décor; colonnes, tours, portes, obélisques, fontaines, statues, etc. Paris, H. Laurens, 1909. 232 p. illus. (Les richesses d'art de la ville de Paris.)

**Mawson, T. H.** Public monuments and street equipment. (*In his Civic art, 1911, p. 125–144. illus., plans.*)

**Monuments, Statuary, and Fountains**

**3830 Abercrombie, P.** Modern use of great monuments. (Congrès International et Exposition comparée des Villes, Ghent, 1913, Rapport, 1914, s.l., p. 225–227.)

**Adshead, S. D.** Monumental arches. (Town Planning Review, Apr. 1911; vol. 2, p. 17–21. illus.)

— Monumental columns. (*Ibid.*, July 1911; vol. 2, p. 95–98. illus.)

— Monumental memorials and town planning. (*In Town Planning Institute, London, Papers and discussions, 1916–17; vol. 3, p. 67–85; with discussion p. 86–87. illus.*)

Includes war memorials.

— Obelisks. (Town Planning Review, Oct. 1911; vol. 2, p. 197–199.)

**Bournon, F.** Portes et arcs triomphaux. — Barrières. (*In his La voie publique et son décor, 1909, p. 143–154. illus.*)

**Guadet, J.** Monuments commémoratifs. (*In his Éléments et théorie de l'architecture, 1909, vol. 4, p. 3–30. illus.*)

**New York (City) Art Commission.** Catalogue of the works of art belonging to the City of New York. Vol. 2, prepared and issued by the Commission, 1920. 113 p. illus.

Contains numerous photographs of monuments.

**U. S. National Commission of Fine Arts.** Annual reports. 1911 to date.

**Weaver, L.** Memorials & monuments, old and new: two hundred subjects chosen from seven centuries. London, "Country Life"; New York, C. Scribner's Sons, 1915. 479 p. illus.

Includes outdoor memorials.

*See also 1292, War memorials.*

**3840 Adams, H.** The relation of sculpture to parks and buildings. (Journal of American Institute of Architects, Apr. 1913; vol. 1, p. 161–165.)

*Condensed in American City, Mar. 1913; vol. 8, p. 287–288.*

**Adshead, S. D.** Statuary. (Town Planning Review, Oct. 1912; vol. 3, p. 171–175. illus.)

— Statuary: the single figure and the group. (*Ibid.*, Jan. 1913; vol. 3, p. 240–243. illus.)

— Equestrian statues. (*Ibid.*, Apr. 1913; vol. 4, p. 3–6. illus.)

— Allegorical sculpture. (*Ibid.*, July 1913; vol. 4, p. 95–97. illus.)

**Bitter, K.** Municipal sculpture. (Municipal Affairs, Mar. 1898; vol. 2, p. 73–97. illus.)

**Bush-Brown, H. K.** Sculpture in parks. (Park International, July 1920; vol. 1, p. 65–66.)

**Caparn, H. A.** Statuary in informal settings. (Landscape Architecture, Oct. 1910; vol. 1, p. 22–30. illus.)

**New York (City) Dept. of Public Parks.** Report of the Committee on the subject of Statues on Central Park. (*In its Document 46, for the year ending Apr. 30, 1873, p. 3–10.*)

States the principles for the placing of statuary in parks.

**Robinson, C. M.** Adorning with fountains and sculpture. (*In his Modern civic art, 1918, etc., 166–183. illus.*)

**Robinson, C. M.** The function and placing of sculpture. (*In his Improvement of towns and cities, 1913, etc.*, p. 216-236.)

**Ruckstuhl, F. W.** The proper functions of open-air statuary. (*House and Garden, Oct. 1902; vol. 2, p. 481-494. illus.*)

**3845 Adshead, S. D.** Fountains. (*Town Planning Review, Apr., July 1912; vol. 3, p. 19-22, 114-117. illus.*)

**Borrmann, R.** Monumentale Wasser-kunstanlagen im Städtebau des Altertums und der neueren Zeit. Berlin, W. Ernst & Sohn, 1910. 28 p. illus., plans. (*Städtebauliche Vorträge, Bd. 3, Heft 5.*)

**Eyre, W.** Memorials in parks — Fountains. (*Park International, May 1921; vol. 2, p. 244-247. illus.*)

**Swift, S.** Ornamental movement of water in city streets. (*House and Garden, Apr., May, Sept. 1902; vol. 2, p. 150-162, 205-213, 417-428. illus.*)

**3855 Adshead, S. D.** Clock monuments. (*Town Planning Review, Jan. 1912; vol. 2, p. 303-304. illus.*)

**3857 Walker, C. H.** Memorials in parks — Flagpoles. (*Park International, Jan. 1921; vol. 2, p. 53-56. illus.*)

**3860 Adshead, S. D.** Tall lighting standards, masts and car poles. (*Town Planning Review, Apr. 1914; vol. 5, p. 47-48. illus.*)

### Billboards

**3880 Caparn, H. A.** A billboard catechism. (*Landscape Architecture, Jan. 1919; vol. 9, p. 76-78.*)

**Crawford, A. W.** Important advances toward eradicating the billboard nuisance. 32 p. (*American Civic Association, Series II, no. 13, Mar. 20, 1919. — 2d rev. ed., Mar. 15, 1920.*)

The American Civic Association is compiling (1923) up-to-date information on the billboard situation.

— Removing posters in Philadelphia and suburbs; billboards not tolerated by Garden Club of America; Billboards and zoning in the new Pennsylvania constitution. (*Civic Comment, American Civic Association, Sept. 1920; no. 5, p. 14-15.*)

**Civic League of St. Louis.** Billboard advertising in St. Louis. Report of the Signs and Billboards Committee, St. Louis, 1910. 40 p. illus.

**Fosdick, R. B.** Big billboards in big cities; address before American Civic Association, 1912. (*American City, Dec. 1912; vol. 7, p. 511-517. illus.*)

Based on his report to Mayor of New York, 1912.

**McBain, H. L.** Expanding the police power — smoke and billboards. (*In his American city progress and the law, 1918, p. 58-91.*)

**Maltbie, M. R.** Advertising signs and art. (*Municipal Affairs, Sept. 1901; vol. 5, p. 738-753.*)

**Massachusetts. Dept. of Public Works. Division of Highways.** Rules for the regulation of advertising signs and devices within the public view. Boston, Dec. 30, 1920. 4 p.

**Massachusetts. Laws.** Special report relative to the regulation of billboard and other advertising devices on public ways, in public places and on private property within public view, Feb. 1920. 34 p. Boston, State Printers, 1920. (*Massachusetts General Court, 1920, House Document 1315.*)

**Millard, E. L.** Billboard control to date. (*National Municipal Review, Dec. 1922; vol. 11, p. 409-411.*)

— What chambers of commerce and realtors can do to help abate the billboard nuisance. (*American City, March 1920; vol. 22, p. 276-278.*)

**Municipal Art Society of New York.** The bill-board blight, what to do about it. New York, 1922. 22 p. illus. (*Bulletin no. 22, Mar. 1922.*)

*Summarized in American City, May 1922; vol. 26, p. 463-465. illus.*

**National Highways Association. Council of National Advisers. Division of Municipal Art.** The bill-board nuisance in New York City. [Washington, Mar. 1916.] 8 p. illus. (*Pamphlet no. 1.*)

**New York (City) Mayor's Billboard Advertising Commission.** Report, Aug. 1, 1913. 151 p. illus.

Second printing 1915.

**Olmsted, F. L., Jr.** Public advertising. Boston, Rockwell & Churchill Press, 1900. 11 p. (*In Proceedings of American Park and Outdoor Art Association, vol. 4, part 1.*)

**Robinson, C. M.** The advertisement problem. (*In his Improvement of towns and cities, 1913, etc.*, p. 76-93.)

*Billboards* (cont.)

**Simpson, J.** Billboard regulation: court decisions in various states as to extent of municipality's power to regulate erection and maintenance of billboards on private property. (*Municipal Journal*, New York, Dec. 23, 1915; vol. 39, p. 949-951.)

**Springfield, Mass., City Planning Commission.** A report on billboard advertising in Springfield. [1915. 47 p.] illus.

**Williams, F. B.** Outdoor advertising. (*In* his *Law of city planning and zoning*, 1922, p. 407-422.)

## PUBLIC OPEN SPACES

(Public and Quasi-public, other than for Traffic)

**4000 American Civic Association.** What everybody should know about parks — The American Civic Association's park primer. [Washington, 1922. 4 p.]

Definitions of types of parks.

**American Academy of Political and Social Science.** Public recreation facilities. Philadelphia, 1910. 266 p. illus., plans. (*Annals*, vol. 35, no. 2.)

Of historic interest.

**American Association of Park Superintendents.** Bulletin. *Superseded by* The bi-monthly *Parks and Recreation*, q. v. The name of the Association has been changed to American Institute of Park Executives.

**American Park and Outdoor Art Association.** [Addresses and proceedings.] 1897-1904; vols. 1-7. illus.

Contains papers and addresses on parks by leading advocates. Of historic importance.

The files of *Garden and Forest*, weekly, 1888-1897, contain many earlier articles on parks and public open spaces.

**Eliot, C. W.** Charles Eliot, landscape architect. Boston, Houghton, Mifflin and Co., 1902. 770 p. illus., plans.

Chapters 17-19, 21, 23-28, 30-32, 34-39, relate especially to public open spaces.

**Hubbard, H. V.,** see 4040.

**Olmsted, F. L., Jr.** The landscape treatment of parks. (*In* Bailey's *Standard cyclopedia of horticulture*, 1916, vol. 4, p. 1801-1807. plans and table of statistics.)

Brief definitions of the types of public parks.

**Olmsted, F. L., Jr.** Parks as war memorials. See 1292.

**Parks and Recreation.** Official publication of American Institute of Park Executives and American Park Society. Minot, N. D.; vol. 1, no. 1, Oct. 1917, to date. illus. *Bi-monthly*.

**Robinson, C. M.** Open spaces; Parkways; Distribution and location of parks; Park development. (*In* his *Modern civic art*, 1918, etc., p. 287-354. illus.)

— Parks and drives; "Squares" and playgrounds. (*In* his *Improvement of towns and cities*, 1913, etc., p. 152-185.)

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**4016 Buchholz, W.** Acquirement of Kansas City park and boulevard system and its effect on real estate values. (*In Proceedings of 9th National Conference on City Planning, 1917, p. 96-105.*)

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**Nolen, J.** Some examples of the influence of public parks in increasing city land values. (*In his General plan of a park and playground system for New London, Conn., 1913, p. 28-41.*)

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#### PARKS AND PARK SYSTEMS

**4040 Bartholomew, H.** Zoning in the location of public parks. (*Park International, July 1920; vol. 1, p. 56-59. illus.*)

**Boston. Parkman Fund Committee.** Report of the special committee appointed by Mayor Peters on the expenditure of the Parkman Fund income. Boston, City Printer, 1921. 73 p. plates. (Document 103, 1921.)

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**Philadelphia Allied Organizations.** The existing and proposed outer park systems of American cities. Report, written by A. W. Crawford and F. M. Day. [Harrisburg, Pa., Mt. Pleasant Press, 1905.] 61 p. plans.

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**Sheridan, L. V.** American park systems. (*In Proceedings of American Society of Municipal Improvements, 1916, p. 162-180.*)

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### Legislation and Administration

**4050 Hanmer, L. F., and A. H. Brunner.** Recreation legislation. rev. ed. New York, Russell Sage Foundation, Dept. of Recreation, Oct. 1915. 99 p.

Includes laws creating administrative agencies. Revision in progress.

**4052 Olmsted, F. L., Jr.** Park department organization. (Landscape Architecture, July 1914; vol. 4, p. 150-166.)

### Park Equipment

**4055 Burnap, G.** Seats in public parks; Park utilities. (*In his Parks, their design, equipment and use, 1916, p. 252-277, p. 296-313. illus.*)

**Elliott, E. L.** Park lighting. (American City, Apr. 1911; vol. 4, p. 169-172. illus.)

**Farrier, E.** For wholesome recreation: public parks and Community Service cooperate for public benefit. (Parks and Recreation, Nov.-Dec. 1921; vol. 5, p. 130-135. illus.)

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**Mawson, T. H.** The adornment and equipment of public parks. (*In his Civic art, 1911, p. 185-206. illus., plans.*)

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**Peaslee, H. W.** Park architecture. (Park International, 1920-1921; vol. 1-2. illus.)

1. Bathing establishments, July 1920; vol. 1, p. 25-34.
2. Field houses, Sept., p. 128-137.
3. Lodges, Nov., p. 225-233.
4. Refectories, Jan. 1922; vol. 2, p. 23-33.
5. Greenhouses, Mar., p. 135-147.
6. Boathouses, May, p. 231-237.

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**Welch, W. A.** Park transportation. (Park International, May 1921; vol. 2, p. 225-230. illus.)

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**4057 American Association of Park Superintendents.** Concessions and privileges in public parks; a summary of methods of operation in various American cities with comments by members. Seattle, 1915. 32 p. (Bulletin no. 12.)

**4058 Lyle, W. T.** Parks and park engineering. New York, John Wiley & Sons, 1916. 130 p. illus., map.

### LANDSCAPE PARKS AND RESERVATIONS

**4100 Boston. Parkman Fund Committee** report, *see* **4000**.

**Eliot, C.,** *see* **4000**.

**Jensen, L. P.** Value of parks to posterity. Popular education and individual training must supplement conservation. (Parks and Recreation, Sept.-Oct. 1921; vol. 5, no. 1, p. 21-25.)

Address at annual convention of American Association of Park Superintendents urging education of public to arrest destruction of native vegetation in landscape parks.

**Olmsted, F. L., Sr.** Public parks: being two papers read before the American Social Science Association in 1870 and 1880, entitled, respectively, Public parks and the enlargement of towns, and, A consideration of the justifying value of a public park. Brookline, [Privately printed], 1902. 114 p.

The two papers were originally printed in 1870 and 1881.

*See further especially* reports on Central Park, N. Y., Prospect Park, Brooklyn, and Franklin Park, Boston. The Franklin Park report by F. L. Olmsted, Sr., is the historic exposition of the design of a large landscape park. The forthcoming Vol. 2 of the Olmsted Papers (Vol. 1, Early Years, in series *Forty Years of Landscape Architecture*, New York, G. P. Putnam's Sons, 1922) is a monograph on the design and development of Central Park (Olmsted & Vaux).

**Olmsted, J. C.** The true purpose of a large public park. (*In 1st Report of American Park and Outdoor Art Association, 1897, p. 11-17.*)

*Condensed in Garden and Forest, June 2, 1897; vol. 10, p. 212-213.*

For the preservation of landscape parks from encroachment of public buildings, *see also* **3563, Day**.

For county and regional reservations, e.g. Palisades Interstate Park, *see* **6100**.

*See further* publications of American Scenic and Historic Preservation Society, National Trust for Places of Historic Interest or Natural Beauty (London), and similar societies in other countries. (*Cf.* **1276**.)

**4127 Hubbard, H. V., and T. Kimball.** Landscape parks and reservations. (*In their Introduction to the study of landscape design*, 1917, p. 295-323. illus., plan.)

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**Lay, C. D.** Park design and the preservation of the park idea. (*Landscape Architecture*, Jan. 1921; vol. 11, p. 76-83.)

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**Parsons, S.** Public parks. (*In his The art of landscape architecture*, New York, G. P. Putnam's Sons, 1915, p. 264-304. illus.)

**Shurtleff, A. A.** The effect of automobiles on the design of parks. (*Landscape Architecture*, Apr. 1921; vol. 11, p. 111-114. plans.)

See also Eliot article, **2212**.

#### FOREST AND WATER-SUPPLY RESERVATIONS

**4160 Municipal forests** in the United States: areas of watershed, park and strictly forest tracts listed. (*American City*, April 1921; vol. 24, p. 352-354.)

Arranged by states and towns, with indication of type of area.

**4162 Carhart, A. H.** Where city and nation unite to act as summer hosts: municipal camps in national forests. (*Playground*, Sept. 1920; vol. 14, p. 342-346.)

From *American City*, May 1920; vol. 22, p. 499-501.

Notable example of recreational use of forests.

**Hubbard, G. A.** The municipal forest in Fitchburg, Mass. (*American City*, Feb. 1921; vol. 24, p. 121-124. illus.)

See also forthcoming article on this subject in *American Forestry*, summer, 1923.

**Reinburg, P.** The county forest that surrounds Chicago. (*American City*, Aug. 1920; vol. 23, p. 143-144. illus.)

See further the reports of the Board of Forest Preserve Commissioners of Cook County, Ill.

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**4165 Ayres, P. W.** Reforestation on water-sheds. (*Journal of the New England Waterworks Association*, June 1923. *In press*.)

**Saville, T.** The relation of water to forestry. (*American City*, Sept. 1920; vol. 23, p. 287-292. illus.)

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**Sproles, A. J.** Esthetics and the water department. (*American City*, Oct. 1916; vol. 15; p. 438-439. illus.)

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**Greeley, W. R.** Village centers in old New England. (*House Beautiful*, May 1919; vol. 45, p. 280-282. illus., plan.)

Lexington Common.

**Waugh, F. A.** Civic centers — Commons. (*In his Rural improvement*, 1914, p. 83-101. illus., plans.)

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## General

**4255 Baxter, S.** Public squares in city and village. (*Century Magazine*, Apr. 1906; n.s. vol. 49, p. 860-870. illus.)

**Genzmer, F.** Die Ausstattung von Strassen und Plätzen. Berlin, W. Ernst & Sohn, 1910. 59 p. illus., plans. (*Städtebauliche Vorträge*, Bd. 3, Heft 2.)

**Hegemann, W., and E. Peets.** The American Vitruvius. *See 3455.*

**Hénard, R.** Les jardins et les squares. Paris, H. Laurens, 1911. 276 p. illus., plans. (*Les richesses d'art de la ville de Paris.*)

**Newton, T. M.** Public squares. (*American Architect*, Feb. 3, 10, 24, Mar. 3, 24, 1894; vol. 43, p. 52-54, 64-67, 87-89, 101-104, 137-138. plans.)

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**Robinson, C. M.** The treatment of city squares. (*House and Garden*, June, July, Aug. 1902; vol. 2, p. 252-261, 300-307, 377-386. illus., plans.)

**Sitte, C.** Der Städtebau. *See 3700.*

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**Unwin, R.** Of centres and enclosed places. (*In his Town planning*, 1909, etc., p. 175-234. illus., plans.)

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## BOTANICAL GARDENS, ZOOS, AND FAIR GROUNDS

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**National Botanic Garden.** Acquirement of Mount Hamilton tract will assure garden worthy of name. (*Parks and Recreation*, Jan. 1921; vol. 4, p. 95-100. illus.)

**Park aspect** of New York botanical gardens. (*Park and Cemetery*, Dec. 1916; vol. 26, p. 294-295. illus.)

**4270 Failles, C. A.** The value of a zoo in a city park. (*Parks and Recreation*, Apr. 1918; vol. 1, no. 3, p. 3-6. illus.)

**Merkel, H. W.** Animals in public parks. (*Ibid.*, July 1920; vol. 3, no. 4, p. 5-11. illus.)

— The New York idea of a zoological park. (*American City*, Oct. 1913; vol. 9, p. 298-302. illus.)

**Peaslee, H. W.** Zoological gardens. (*Architectural Record*, Apr. 1922; vol. 51, p. 360-370. illus.)

**Shurtleff, A. A.** Boston zoological park. (*Landscape Architecture*, Oct. 1912; vol. 3, p. 1-14. illus., plans.)

*In Franklin Park.*

**Zoological parks**, 1916. (*In U. S. Bureau of the Census*, General statistics of cities, 1916, Table 14, p. 80-81.)

Text discussion of this table, p. 34.

Information on the zoos of Philadelphia, Detroit, Chicago (Forest Preserve, Cook County), Madison, Milwaukee, St. Louis, Kansas City, Denver, Seattle, etc., may be found in park reports and in the files of *Parks*



*and Recreation*, which has a regular department conducted by H. W. Merkel, devoted to the subject of zoölogical exhibits.

**4295** **Pearse, Robinson, and Sprague.** Your fair and its possibilities; a few thoughts for the consideration of fair officials. [Des Moines, 1920.] 16 p. illus., plans.

**Pennsylvania State Fair Commission.** Report and plans for an agricultural fair and industrial exposition for the Commonwealth of Pennsylvania. Prepared according to the provisions of the Act of the General Assembly, no. 443, 1921. 16 p. illus., plans.

Pearse, Robinson and Sprague, designers.

**Ramsey, L. W.** The county and district fair. (Landscape Architecture, July 1920; vol. 10, p. 201-205. plans.)

#### PLAYGROUNDS

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**Dawson, J. F.** Conflicting opinions as to control body of public playgrounds. (Parks and Recreation, Jan.-Feb. 1922; vol. 5, p. 312-313.)

**De Groot, E. B.** Recreation facilities in public parks — providing facilities for different kinds of playground interests. (American City, Jan. 1914; vol. 10, p. 9-15. illus.)

Address before American Association of Park Superintendents giving experience of Chicago.

**Farrier, E.** Utilizing the city's waste spaces for recreation. (Park International, May 1921; vol. 2, p. 248-253. illus.)

Use of vacant lots, back yards, old cemeteries, docks, etc.

**Haynes, R.** How much playground space does a city need? (American City, Mar. 1917; vol. 16, p. 241-247. illus.)

**Hubbard, H. V.** The size and distribution of playgrounds and similar recreation facilities in American cities. (In Proceedings of 6th National Conference on City Planning, 1914, p. 265-287; with discussion, p. 287-304.) *Also reprinted* and condensed in several magazines.

Superseded by Mr. Hubbard's 1922 paper on Parks and Playgrounds, see **4040**.

**Lay, C. D.** Playground design. (Landscape Architecture, Jan. 1912; vol. 2, p. 63-65. plans.)

**Lee, J.** Play and playgrounds. [32 p.] illus. (American Civic Association. Dept. of Public Recreation, Dept. leaflet no. 11, July 1906.) *Also reprinted*.

**Olmsted, F. L., Jr.** Playgrounds in parks from the designer's standpoint. See **4127**.

**The Playground.** New York, The Playground and Recreation Association of America; vol. 1, Apr. 1907, to date. illus. *Monthly*.

The files contain articles on all phases of playground management and equipment. Current volumes contain reports of the Association.

**Playground and Recreation Association of America.** Proceedings of 1st to 3d Annual Playground Congress, Playground Association of America, 1907-1909. 3 vols. illus., plans. Proceedings continued in *The Playground*, including "yearbook" number, containing compiled statistics. (Dec. 1, 1921 to Nov. 30, 1922, in *Playground*, Mar. 1923.)

— Layout and equipment of playgrounds. New York, The Association, 1921. 60 p. plans.

The up-to-date authoritative publication.

**Robinson, C. M.** Landscape gardening for playgrounds. (In Proceedings of the 2d Annual Playground Congress, 1908, p. 64-71. illus.) *Also reprinted*.

**Citizens Committee on City Plan of Pittsburgh.** Pittsburgh playgrounds, being the first portion of a report upon the recreation system: a part of the Pittsburgh Plan; prepared by the Citizens Committee on City Plan of Pittsburgh. Pittsburgh, 1920. 40 p. illus., plans. Also popular edition.

A notable example. See also Cleveland Recreation Survey, **1495** (Haynes).

**4315** **American Park Institute.** Report of the committee on playgrounds and recreation. (Parks and Recreation, Sept.-Oct. 1921; vol. 5, p. 42-43.)

Includes questionnaire (and results) concerning value of certain playground apparatus and golf courses.

**Regarding apparatus.** (Playground, Dec. 1917; vol. 11, p. 463-465.)

Result of study of playgrounds in 26 cities.

## Recreation Center and School Playgrounds

**4318 Chicago. South Park Commissioners.** Annual reports, 1875 to date.

The Chicago South Parks are the prototypes of the recreation center playground in America. Accounts by J. R. Richards, in *Playground*, June 1916, and *Park and Cemetery*, Nov. 1916.

## — West Chicago Park Commissioners.

Recreation centers, playgrounds and swimming pools of the West Chicago Park Commissioners. Issued on the occasion of the 50th anniversary of the organization of the West Park Board. Chicago, 1919. 80 p. illus., plans.

Contains a statement of the facilities of each of the five fully equipped recreation centers in the West Chicago park system.

**Curtis, H. S.** The neighborhood center; the proper relationship of the public school to playgrounds and small parks. (American City, July, Aug. 1912; vol. 7, p. 14-17, 133-137. illus.)

See also **3575**, Recreation center buildings.

**4319 Curtis, H. S.** The reorganized school playground. 23 p. (U. S. Bureau of Education, Bulletin, 1912, no. 16, whole no. 488.)

A revised ed. with illus. is whole no. 550 (1913, no. 40.)

— The school playground of American cities; Play at the rural school; The playgrounds of Gary. (In his *Education through play*, New York, Macmillan Co., 1915, p. 113-178. illus.)

**Gregg, J. W.** The landscape development of school grounds. (American City, Jan. 1916; vol. 14, p. 36-38.)

As playgrounds, as well as for effect.

**Nash, J. B.** Recreation under public supervision. 4 p. (Bulletin of Oakland, Calif., Recreation Department, 1919. illus.)

The National Conference on City Planning considers Oakland school playgrounds of especial interest.

**Ramsdell, C. H.** School ground planning as a community asset. *Reprint from American School Board Journal*, Apr. 1920; 8 p. illus., plans.

**Russell Sage Foundation. Dept. of Recreation.** Making municipal funds go further through a co-ordination of school and park developments. New York, 1920. *folder*. plans.

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**4347 Gerhard, W. P.** Public bath houses and swimming pools. (American City, Nov. 1914; vol. 11, p. 357-367. illus., plan.) Also reprinted as American City Pamphlet no. 120.

**Hinman, J. J., Jr.** The swimming pool. *Reprinted from American Physical Education Review*, Dec. 1920; vol. 25. 17 p.

Open air swimming pools in Wisconsin cities. (American City, July 1917; vol. 17, p. 11-13. illus.)

**4360 Smith, H. D.** Report on trip to Princeton, College of City of New York, Yale, and Harvard for the purpose of inspecting the stadia at those universities. (American Architect, July 21-Aug. 25, 1920; vol. 118, p. 94-96, 124-126, 160-164, 221-224, 260-262. illus.)

**Stadiums.** (Playground, Dec. 1917; vol. 11, p. 448-453.)

With table of American stadiums to that date.

**Toronto Bureau of Municipal Research.** Municipal stadiums. 6 p. (Citizen Control of Citizen's Business, White Paper no. 36, Feb. 21, 1920.)

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**4369 American Association of Park Superintendents.** Municipal golf. St. Louis, 1917. 13 p. illus. (Bulletin no. 13.)

**Bendelow, T.** Municipal golf — some suggestions for instituting and supervising it. (American City, July 1916; vol. 15, p. 1-8. illus., plans.)

**Comey, A. C.** Municipal golf. (Landscape Architecture, Oct. 1920; vol. 11, p. 19-22.)

**Duncan, J. W.** Golf in public parks. (American City, Nov. 1921; vol. 25, p. 376-378. illus.)

**Fisk, A. A.** Construction and maintenance of municipal golf courses. (Playground, Feb., Apr., May, 1921; vol. 14, p. 652-658, vol. 15, p. 8-12, opp. p. 92, 168-175, 177-178. illus. plans.)

**Municipal golf links.** (National Municipal Review, Jan. 1923; vol. 12, p. 49.)

17 cities in the United States.

**Davis, D. F.** Municipal lawn tennis increasingly popular. (American City, May 1923; vol. 28, p. 506-507.)

RECREATIONAL WATERFRONTS.  
WATER PARKS

**4370 Baxter, S.** Seaside pleasure-grounds for cities. (Scribner's Magazine, June 1898; vol. 23, p. 676-687. illus.)

**Bennett, E. H.** The beginning of the lake front improvement in Chicago. (American City, Mar. 1917; vol. 16, p. 231-233. illus., plan.)

**Gourlay, R. S.** Basic principles of waterfront development, Toronto. See **2550**.

**Howard, J. G.** Waterside avenues. (House and Garden, Oct. 1904; vol. 6, p. 164-172. illus.)

**Kansas City, Mo., Board of Park Commissioners.** Special report for the Blue Valley Parkway, Mar. 1912. 46 p. illus., plans.

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**Lanagan, F. R.** The continuation of the river front improvement in Albany. (American City, Aug. 1920; vol. 23, p. 201, 203, 205. illus.)

Recreational combined with commercial use.

**Miller, L. W.** River front embankments. (In American Academy of Political and Social Science, Housing and town planning, 1914, p. 254-258.)

**Newlands, F. G.** The treatment of waterfronts. (Journal of American Institute of Architects, Apr. 1916; vol. 4, p. 154-159. illus.)

Also in U. S. Congress, 64th, 1st session. Senate Document 362. Central heating, lighting, and power plant, 1916. Part 3, p. 39-42.

**Robinson, C. M.,** see **1745**.

**Shurtleff, A. A.** Non-navigable waters. (In Nolen, J., ed., City planning, 1916, p. 201-226. illus., plans; with bibliography.)

On recreational development.

**Smith, F. A. C.** Municipal recreation on inland waterfronts; types of shore development and recreation possible for cities possessing a river or a lake. (American City, Apr. 1915; vol. 12, p. 291-298. illus.)

**Swift, S.** Why not better sea fronts? That many American towns having beaches may be easily beautified is shown by improvements successfully carried out here and abroad. (Indoors and Out, June 1906; vol. 2, p. 112-118. illus.)

**Welch, W. A.** Public reservation of river fronts as part of the regional plan. (In Proceedings of 11th National Conference on City Planning, 1919; p. 147-151.)

On the Palisades Interstate Park.

**Wilcox, A.** Public reservation of river fronts as part of a regional plan of development. Plan to enlarge the state reservation at Niagara and establish the New York State memorial riverways and reserves. (In Proceedings of 11th National Conference on City Planning, 1919, p. 152-158.)

**Williams, F. B.** The water-front. (In his Law of city planning and zoning, 1922, p. 170-172.)

The land-under-water and foreshore report by Mr. Williams for the Plan of New York is mentioned in its Progress Report, Feb. 1923 (see **815**), p. 66.

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**Simonds, O. C.** Landscape gardening in its relation to roadside planting. (Journal of the International Garden Club, June 1918; vol. 2, p. 187-201. illus.)

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**Hurd, R. M.** Ground plan of cities. (*In* his Principles of city land values, 1903, p. 33-55. illus., plans.)

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**Unwin, R.** Of the individuality of towns, with a slight sketch of the ancient art of town planning. (*In* his Town Planning, 1909, etc., p. 15-114. illus., plans.)  
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**Knowles, M.** Cantonment construction. (*In* Proceedings of Engineers' Society of Western Pennsylvania, 1918-19; vol. 34, p. 191-225. illus., plans.) *Also reprinted.*

**Manning, W. H.** Planning the cantonments; the work of the American Society of Landscape Architects in their design. (American City, Apr. 1918; vol. 18, p. 331-336. illus., plans.)

**Pray, J. S.** Planning the cantonments. (Landscape Architecture, Oct. 1917; vol. 8, p. 1-17. illus., plans.)

**Sheridan, L. V.** Planning a war cantonment — Camp Pike. (*In* Proceedings of 10th National Conference on City Planning, 1918, p. 125-144; with discussion, p. 144-147.)

**U. S. Army. Construction Division.** National Army cantonments; plans and photographs, June 1918, a compilation of plans of the sixteen National Army cantonments, together with photographs showing typical buildings and their construction, selected from progress photographs sent from the various cantonments. Prepared under the direction of George Gibbs, Jr., Major, Q.M.C. Washington, Construction Division, War Department, [1918]. 94 p.

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**Manning, W. H.** Plan of Birmingham, Ala. *See* 6100.

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**Nolen, J.** The industrial village. New York, National Housing Association, Sept. 1918. 22 p. plans. (Publication no. 50.)

*See also* Mr. Nolen's Mariemont, 1426.

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**Shuman, I.** Kingsport (Tenn.) an unusual city, built to make business for a railroad. (*American City*, May 1920; vol. 22, p. 471-473.)

A new industrial town designed by John Nolen.

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*See also* 1426, Decentralization; 1650, Industrial districts; 1697, Low-cost residential districts, including Industrial housing; and 5350, Garden cities.

**Mining Towns and Labor Camps**

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**Hughes, W. R., ed.** New town; a proposal in agricultural, industrial, educational, civic, and social reconstruction. Edited for the New Town Council. London, J. M. Dent & Sons, 1919. 141 p.

**Huntington, C. W.** Enclaves of single tax, being a compendium of the legal documents involved together with a historical description. Published by Fiske Warren, Harvard, Mass., 1921. 150 p. plan.

On the principles of single-tax colonies with examples. Contains Montoliu plan for Fairhope.

**Model towns and communities.** (Garden City, 1906, N. S., vol. 1.)

Plato's Republic, Owen's proposed model town of "Harmony." (Feb. p. 16-18. illus.)

Model town of James Silk Buckingham. (Mar., p. 33. illus.)

The influence of Carlyle, Ruskin and Emerson. (May, p. 76-80.)

Early coöperative communities in the United States. (July, p. 130-131.)

**Montoliu, C.** Fairhope (a single-tax colony) — a town-planning scheme for its development into an organic city. (American City, Apr. 1921; vol. 24, p. 355-359. plan.)

Also in *Garden Cities and Town Planning*, July 1921; vol. 11, p. 162-166. illus., plan.

**Otlet, P.** The foundations of world society, and the need for an intellectual and civic centre of International reconstruction. (Survey, Feb. 1, 1919; vol. 41, p. 598-601.)

Proposed international city as administrative center of League of Nations and international intellectual interests; after Andersen plan.

**Roveda, P.** "The city of the sun." (American City, Aug. 1917; vol. 17, p. 118-121. plans.)

Based on a system of circles with radiating lots, and intended to solve the housing problem.

**Verne, J.** An ideal city. (House Beautiful, Feb. 1923; vol. 53, p. 160, 208.)

**Wood, E. E.** The Spanish linear city. (Journal of the American Institute of Architects, May 1921; vol. 9, p. 169-174. illus.)

Summary of project on which several publications from the press of the "Ciudad Lineal," Madrid, were issued.

## TYPES DISTINGUISHED BY SIZE

**5605 Adshead, S. D.** The development of the English village. (Town Planning Review, Apr. 1919; vol. 8, p. 37-46.)

**Changeur, A.** La protection du village. (*In Congrès International et Exposition comparée des Villes*, Ghent, 1913, Rapport, 1914, S.I., p. 205-210.)

**Douglass, H. P.** The little town; especially in its rural relationships. New York, Macmillan Co., 1919. 258 p. illus., plans.

**Farwell, P. T.** Village improvement. New York, Sturgis & Walton Co., 1913. 362 p. illus., plans. (The Farmer's Practical Library.)

**Kuhn, W.** Kleinsiedlungen aus Friderizianischer Zeit. Stuttgart, Wilhelm Meyer-Ilschen, 1918. 142 p. illus., plans. (Deutscher Bund Heimatschutz und Vereinigung für Deutsche Siedlung und Wanderung.)

**Ripley, H. G.** The village that ought to be. (House Beautiful, Mar. 1922; vol. 51, p. 193-196.)

**Walpole, Mass., Town Planning Committee.** Town planning for small communities. New York, D. Appleton & Co., 1917. 492 p. illus., plans.

**Waugh, F. A.** A comparison of town plans. (Landscape Architecture, July 1921; vol. 11, p. 161-166.)

On village planning in New England.

— Rural improvement; the principles of civic art applied to rural conditions, including village improvement and the betterment of the open country. New York, Orange Judd Co., 1914. 265 p. illus., plans.

**5610 Dealey, G. B.** Planning the small cities. (*In Proceedings of 9th National Conference on City Planning*, 1917; vol. 9, p. 128-132.)

*Types distinguished by Size (cont.)*

**Hayler, G. W.** Town planning actualities, some recently executed improvement schemes in American small towns. (*American Review of Reviews*, Dec. 1920; vol. 62, p. 633-637. illus., plan.) *Also reprinted.*

**Nolen, J.** Examples of city planning in small places. (*In Proceedings of 9th National Conference on City Planning, 1917*, vol. 9, p. 117-127.)

— Planning problems of smaller cities in the United States. (*In Ibid.*, 8th Conference, 1916, p. 184-198; with short papers by

J. W. Shirley and A. C. Comey, and discussion p. 199-221.)

— Replanning small cities; six typical studies. New York, B. Huebsch, 1912. 218 p. illus., plans.

**Shirley, J. W.** Planning the smaller city: street systems including transit problems. (*In Proceedings of 8th National Conference on City Planning, 1916*, vol. 8, 199-214.)

**5620** For literature relating to the problems of great cities, *see especially* **1424**, Growth of cities; **1600** ff., Zoning and districts; **2076**, Street traffic; **3475** ff., Building heights.

REGIONAL PLANNING

**6100 Adams, T.** Regional and town planning. (*In Proceedings of 11th National Conference on City Planning, 1919, p. 77-102.*)

*Also published as:* The regional survey as the basis for the regional plan, and the regional plan as the basis for the town plan, *in Landscape Architecture, July 1919; vol. 9, p. 173-179. Extracts in Engineering News-Record, June 5, 1919, and American City, July 1919.*

— Regional surveys in relation to municipal planning. (*Engineering News-Record, Aug. 4, 1921; vol. 87, p. 201-202.*)

From paper before American Society of Municipal Improvements, *see 1521.*

**Budden, L. B., see 1292.**

**Comey, A. C.** Regional planning theory, a reply to the British challenge. Cambridge, Mass., The Author, 1923. 18 p. diag.

A substitute for the garden city theory.

*Also in Landscape Architecture, Jan. 1923; vol. 13, p. 81-96.*

**Donald, W. J.** Regional planning in motion. (*In Proceedings of 11th National Conference on City Planning, 1919, p. 103-114.*)

**Fleure, H. J.** The regional survey preparatory to town planning. (*In Town Planning Institute, London, Papers and discussions, 1917-18, vol. 4, p. 31-38; with discussion, p. 39-43.*)

**Ford, G. B.** Regional and metropolitan planning, principles, methods, coöperation. (Prepared for the National Conference on City Planning, Baltimore, Apr. 30, 1923.) [32 p.] *Also to be published in the Conference Proceedings.*

**Geddes, P., and G. Slater.** Ideas at war. London, Williams & Norgate, 1917. 256 p. (Vol. 2 of The Making of the Future Series, ed. by Geddes and Branford.)

Regionalism as the hope of reconstruction. The French origins of the movement explained.

**Ihlder, John.** The city plan and living and working conditions. *See 1426.*

Planning in regional terms.

**Knowles, M.** Engineering problems of regional planning. (*In Proceedings of 11th National Conference on City Planning, 1919, p. 115-138.*) *Also reprinted.*

*Abstracts in Engineering News-Record, June 12, 1919; vol. 82, p. 1173-1175; and American City, Aug. 1919; vol. 21, p. 116-118.*)

**La Farge, C. G., see 1300.**

**Lewis, N. P.** The environs of the city. (*In his The planning of the modern city, 1923, p. 296-308. illus., plans.*)

— Regional planning. (*In Proceedings of American Society of Civil Engineers, Mar. 1923; vol. 49, p. 554-560.*)

**National Conference on City Planning.** Report on regional planning prepared by B. A. Haldeman for the Committee on Regional Planning. (*In its 12th Proceedings, 1920, p. 118-128; with discussion, p. 128-132.*)

— Regional planning: Sewerage and water supply — Niagara Frontier, by T. W. Barrally; Public reservation of river fronts as part of the regional plan, by W. A. Welch; and Public reservation of river fronts as part of a regional plan of development, by A. Wilcox. (*In Proceedings of 11th National Conference on City Planning, 1919, p. 139-158.*)

**Ross, J., see 6300, Development surveys.**

**Whitten, R.** Regional zoning. Paper read at 15th National Conference on City Planning, May 1, 1923. *To be published in the Conference Proceedings.*

An important and practical contribution. Proper growth of cities to be handled by a series of satellite towns with "open-development strips."

*See also 1426, Decentralization; and 1525, Metropolitan districts.*

American

**Fesler, M.** Metropolitan planning for Chicago and environs. Conferences of villages and cities about Chicago called by City Club. (*American City, Apr. 1923; vol. 28, p. 377-378.*)

**Grinnalds, J. C.** A state bureau for regional and town planning, including a boulevard between Baltimore and Washington. (*Municipal Journal, Baltimore, Feb. 10, 1922; vol. 10, no. 3, p. 1-2.*)

*Regional Planning (cont.)*

**Joint committees** to prepare enabling legislation for Allegheny County Planning Commission. (Progress, Pittsburgh, Mar. 1922; vol. 2, p. 1-2.)

**Kelsey, F. W.** The first county park system. A complete history of the inception and development of the Essex County parks of New Jersey. New York, J. S. Ogilvie Publishing Co., 1905. 300 p. illus., map.

Brief account in *Annals of American Academy of Political and Social Science*, Mar. 1910.

**Knowles, M.** Report upon metropolitan water and sewerage systems to the Essex Border Utilities Commission, Ontario. Windsor, Ont., The Record Printing Co., Ltd., 1917. 108 p. maps, diagr.

**MacKaye, B.** An Appalachian trail, a project in regional planning. (Journal of the American Institute of Architects, Oct. 1921; vol. 9, p. 325-330. map.)

**Manning, W. H.** Warren H. Manning's city plan of Birmingham. Published by subscription, Birmingham, Ala., 1919. 47 p. illus., maps.

Described by the author in *Proceedings of the 11th National Conference on City Planning*, 1919, vol. 11, p. 47-51.

**New York, New Jersey Port and Harbor Development Commission.** Joint report with comprehensive plan and recommendations. Albany, J. B. Lyon Co., 1920. 495 p. illus., plans, diagr.

A monumental regional document.

**Ohio and Massachusetts** enact legislation for regional planning. (American City, June 1923; vol. 28, p. 613-614.)

**Pennsylvania. Bureau of Municipalities.** Report and plans for the extension and improvement of the city plan of the city of Wilkes-Barre and neighboring municipalities, Luzerne County, Pennsylvania. Prepared in response to requests of the Mayor, Council, City Planning Commission and Chamber of Commerce. June 1, 1921. 84 p. illus., plans. (B. A. Haldeman, Chief, Division of City Planning and Municipal Engineering.)

**Plan of New York and its environs.** The meeting of May 10, 1922. New York, Russell Sage Foundation, 1922. [25 p.]

The most important regional study yet undertaken in the United States. (For Progress Report, 1923, see 815.)

*Notices appeared in Engineering News-Record*, May 18, 1922; *American City*, June 1922; and *Housing Betterment*, Nov. 1922.

**Regional Planning Conference of Los Angeles County, Calif.** Conclusions at Glendale, Sept. 16, 1922. Interlocking specification for the regional plan, Los Angeles County. (Published by Secretary, City Hall, Los Angeles.) 8 p. plan.

**Reinberg, P.** County forests for citizens. (American City, May 1917; vol. 16, p. 519, 521, 523, 525. illus.)

Cook County Forest Preserve District, Illinois.

**Webster, G. S.** What comprehensive plan should be provided for the areas adjacent to the Delaware River, between Philadelphia and Wilmington? (City Plan, Apr. 1918; vol. 3, no. 4, p. 14-20.)

**Whitnall, C. B.** By regional planning the Milwaukee of tomorrow conserves nature's attributes. (Parks and Recreation, Mar.-Apr. 1923; vol. 6, p. 278-285. illus., plan.)

The Boston Metropolitan Park reports beginning 1893 are important regional documents and also the Boston Metropolitan Water and Sewerage reports from 1890 and 1895. The present Metropolitan District Commission reports continue these files.

The Municipal Plan Commission's *Plan of Seattle* by V. G. Bogue, 1911, is considered the earliest American city plan report based on a regional area (T. Adams). During the War, regional surveys were made for the Indiana steel towns and a beginning made for the Philadelphia region. The Pennsylvania State Bureau of Municipalities, Division of Town Planning, made a demonstration survey of the Wilkes-Barre region (see above). Very interesting regional planning provisions are included in the proposed Nausau County (New York) charter.

*English*

**Abercrombie, P., and T. H. Johnson.** The Doncaster regional planning scheme. Report prepared for the Joint Committee, together with an appendix on coal subsidence, by J. Humble. London, University Press of Liverpool, 1922. 93 p. illus., plans.

An important and thorough report.

**Fawcett, C. B.** Provinces of England, a study of some geographical aspects of devolution. London, Williams & Norgate, 1919. 296 p. maps. (The Making of the Future Series.)

**Great Britain. Ministry of Health.** Report of the South Wales Regional Survey Committee. London, H. M. Stationery Office, 1921. 80 p. maps.

*Discussed* by E. L. Chappell and others in Town Planning Institute, London, Papers and discussions, 1920-21, vol. 7, p. 69-85; and Garden Cities and Town Planning, Dec. 1921; vol. 11, p. 247-277. maps.

**Housing**, published by British Ministry of Health. Special number, devoted to regional planning. July 5, 1920; vol. 1, p. 349-363.

**London Society.** London of the future. *See* 5305.

Plans for the London region. A later note on London regional planning will be found in *Garden Cities and Town Planning*, July-Aug. 1922.

**Manchester and District Joint Town Planning Advisory Committee.** A record of the town planning exhibition. *See* 40.

The most important collected information on British regional planning.

*French and Belgian*

**De Vuyst, M. P.** *L'esthétique rurale.* (In Congrès International et Exposition Comparée des Villes, Ghent, 1913, Rapport, 1914, s. I., p. 27-34.)

By an official of the Belgian Ministry of Agriculture, in regard to the preservation of regional characters.

The exhibition of regional architecture in the invaded provinces of France, held at Paris during Jan. and Feb., 1917. (Journal of the American Institute of Architects, Mar. 1917; vol. 5, p. 107-114. illus.)

A translation from the preface to program of the Exposition, with selected reproductions of material exhibited.

**Exposition de l'architecture regionale dans les provinces envahies, 1917.** Conférences et compte-rendu, Paris, [Société des Architectes Diplômés par le Gouvernement], 1917. 100 p. illus., plans.

**France. Ministère de l'Instruction Publique et des Beaux-Arts.** Fermes et habitations rurales: projets primés au Concours ouvert entre les architectes français. Paris, Librairie Générale de l'Architecture et des Arts Décoratifs, 1918. [20 p. + 100 plates.] 3 portfolios.

Farm designs based on regional characteristics. Discussed in *Journal of the American Institute of Architects*, Oct. 1918.

**Jaussely, L.** Les cités dévastées par la guerre, études de reconstitution. I. Un concours de plan de ville. La reconstitution de Chauny et de sa région. (La Vie Urbaine, Mars-Juin 1919; vol. 1, p. 109-144. map.)

*See also* 1293, Reconstruction, after war.

## RURAL PLANNING

## Including LAND SETTLEMENT

**6300 Adams, T.** Rural planning and development; a study of rural conditions and problems in Canada. Ottawa, Commission of Conservation, 1917. 281 p. illus., plans, maps. *Out of print.*

The most important work on rural planning. See note in *American City*, Nov. 1917, p. 409-410.

**Adsheed, S. D.** Town planning and the rural problem. (*Town Planning Review*, Jan. 1914; vol. 4, p. 276-286.)

**Aust, F. A.** Country planning in Wisconsin. (*Journal of the Town Planning Institute of Canada*, Feb. 1922; vol. 1, no. 8, p. 8-9.)

**Carver, T. N.** The organization of a rural community. Reprint from Yearbook of U. S. Department of Agriculture for 1914. Washington, Govt. Printing Office, 1915. 58 p. Social and economic aspects.

**Collins, J. H.** Motor transportation for rural districts. 32 p. illus. (U. S. Department of Agriculture, Bulletin no. 770, Jan. 29, 1919.)

**Community Service, Inc.** Rural and small community recreation, suggestions for utilizing the resources of rural communities; how it is being done. New York, Dec. 1920. 139 p.

**Curtis, H. S.** Play and recreation for the open country. Boston, Ginn & Co., 1914. 265 p. illus.

Gives suggestions for improvement of home and school grounds for recreation, and for rural playground equipment.

**Dana, S. T.** Forestry and community development. 1918. 35 p. illus. (U. S. Department of Agriculture, Forest Service, Bulletin no. 638.)

**Development surveys:** rural and financial. Part 1. Suggestions towards a national policy for agriculture, by M. Hardy; Part 2. A regional economy based on regional surveys, by J. Ross; Part 3. Mental reactions, by S. Branford. (*Sociological Review*, Manchester, Eng., Autumn, 1920; vol. 12, p. 82-101.)

**Douglass, H. P.** The little town, especially in its rural relationships. New York, Macmillan Co., 1919. 258 p. illus., maps, plans.

**Flint, K. R. B., see 544.**

**Friends of Our Native Landscape.** First annual meeting of Wisconsin Branch of Friends of Our Native Landscape. (Park and Cemetery, July 1920; vol. 30, p. 148.)

For the improvement of the countryside.

**Kimball, T.** Some references on rural planning and development. (*American City*, June 1921; vol. 24, p. 584-586.)

With a list of organizations interested in promoting rural planning and improvement.

**Manning, W. H.** The Billerica town plan. (*Landscape Architecture*, Apr. 1913; vol. 3, p. 108-118. plans.)

An example of a village plan based on thorough surveys.

— Town sites on government reclamation projects. (*Landscape Architecture*, Apr. 1914; vol. 4, p. 117-123. plans.)

**Mobilizing the rural community.** (*American City*, Town and County Edition, Dec. 1918; vol. 19, p. 458-462. charts.)

Based on a pamphlet issued by Mass. Agricultural College Extension Service.

**Nason, W. C.** Plans of rural community buildings. 38 p. illus., plans. (U. S. Dept. of Agriculture, Farmers' Bulletin no. 1173, Jan. 1921.)

— Rural planning: the social aspects. (U. S. Dept. of Agriculture, Farmers' Bulletin no. 1325. July 1923. *In press.*)

**Norton, S. V.** Interrelationship of highway transport and back-to-the-farm movement. (*Good Roads*, May 19, 1920; vol. 17, p. 254-256, 258.)

**Peake, H.** The regrouping of rural population. (*Town Planning Review*, Mar. 1918; vol. 7, p. 243-250.)

**Simonds, O. C.** Landscape-gardening. New York, Macmillan Co., 1920. 338 p. illus., plans. (Rural Science Series.)

With especial reference to problems of rural districts.

**U. S. Reclamation Service.** Plan of rural community center, Accession no. 18533, 1920. 1 sheet.

Shows subdivision of town site.



**Waugh, F. A.** Country planning. (American City, Town and County Edition, July 1915; vol. 13, p. 14-15.)

— Country planning. 13 p. (American Civic Association, Committee on Country Planning. Series II, no. 8, Jan. 1916.)

— The opportunity of the country village. (House Beautiful, Oct. 1920; vol. 48, p. 276-277, 312. illus.)

— Rural improvement; the principles of civic art applied to rural conditions, including village improvement and the betterment of the open country. New York, Orange Judd Co., 1914. 265 p. illus.

The American Country Life Association (1849 Grand Central Terminal Bldg., New York City) includes country planning in its program and publishes annual papers and proceedings beginning 1919 and *Country Life Bulletin*.

#### LAND SETTLEMENT

**6400 Adams, T.** Proposed farm city in Pender County, North Carolina, a report to Farm Cities Coöperation, Jan. 1921. 23 p. (Farm Cities Corporation, Publication no. 2.)

See also the Corporation's descriptive booklet with plan by Mr. Nolen.

— Rural planning. See **1293, 6300.**

Contains several chapters on land settlement.

**Australian Town Planning Conference and Exhibition, 2d.** Proceedings, 1918. See **40.**

Several papers on land settlement problems included.

**Black, J. D.** Theories of land settlement. (National Real Estate Journal, Mar. 1, 1920; vol. 21, no. 5, p. 5-9.)

**California. Commission of Immigration and Housing.** Report of large landholdings in Southern California. Sacramento, State Printing Office, 1919. 43 p.

— **State Land Settlement Board.** Farm allotments and farm laborers' allotments, in the Durham State Land Settlement, Butte County, Calif. Sacramento, State Printing Office, 1910. 10 p. plan, table. — Rev. ed., 1918.

Discussions of the Durham colony appeared in the *Engineering News-Record* for Dec. 5, 1918, and Jan. 30, 1919, in-

cluding Dr. Mead's reply to critics. An account also appeared in *Survey*, Sept. 21, 1918, and the *Monthly Labor Review* (U. S. Dept. of Labor) for Oct. 1919.

**Calkins, M. C.** Colonization projects in Wisconsin. (Survey, Jan. 1, 1921; vol. 45, p. 480-485. illus.)

**Ely, R. T.** Private and public colonization. (National Real Estate Journal, Mar. 12, 1923; vol. 24, no. 6, p. 46-49.)

**Faast, B. F.** Rural planning and colonization. Reprinted from National Real Estate Journal, Aug. 1918. 15 p. illus., plans.

Paper before National Association of Real Estate Boards, St. Louis, June 1918.

**Farm Cities Corporation of America.** [Descriptive booklet.] 16 p. illus., plans.

Contains plan of proposed farm city, Pender Co., N. C., by John Nolen.

**Harvard University, School of Landscape Architecture Library.** Some references on land settlement. (Landscape Architecture, Jan. 1919; vol. 9, p. 110-112.)

**Howe, F. C.** The land and the soldier. New York, C. Scribner's Sons, 1919. 196 p.

**MacRae, H.** Vitalizing the nation and conserving human units through the development of agricultural communities. Reprinted from National Industries and the Federal Government, vol. 63 of the Annals of the American Academy of Political and Social Science. Philadelphia, 1916. 9p. (Publication no. 978.)

**Mawson, T. H.,** see **5349.**

**Mead, E.** How California is helping people own farms and rural homes. 28 p. illus. (University of California, College of Agriculture, Agricultural Experiment Station, Circular no. 221, Aug. 1920.)

Describes the Durham, Calif., Colony.

— Helping men own farms, a practical discussion of governmental aid in land settlement. New York, Macmillan Co., 1920. 228 p. illus.

The important American work on the subject.

— Summary of soldier settlements in English-speaking countries. Washington, Govt. Printing Office, 1918. 28 p. (U. S. Department of the Interior. Reclamation Service.)

*Land Settlement* (cont.)

**Soldier colonies.** (Town Planning and Conservation of Life. July-Sept. 1920; vol. 6, p. 53-57. illus.)

**U. S. Reclamation Service.** Work and homes for our fighting men. Washington, Govt. Printing Office, 1919. 24 p.

These proposals were described in the

*World's Work* for Nov. 1918. The Reclamation Service also published other pamphlets on soldier settlements.

**Waller, A. G.** Conditions in New Zealand: The land and settlement laws; Part III of article, Town Planning in New Zealand. (Journal of the American Institute of Architects, Dec. 1918; vol. 6, p. 573-576. tables.)

## STATE PLANNING

**6500** **Comey, A. C.** A state plan for Massachusetts. (City Plan, March 1915; vol. 1, no. 1, p. 5-8.)

Includes reference to state survey material collected by W. H. Manning for Panama-Pacific Exposition, 1915.

**Woodruff, G.** A state plan. Address delivered at a dinner tendered by the Illinois Commercial Secretaries' Association to the members of the Illinois Legislature at Springfield (Ill.) Mar. 30, 1921. 1 sheet.

## State Highways

**6510** **U. S. Bureau of Public Roads.** Report of a study of the California highway system by the U. S. Bureau of Public Roads to the California Highway Commission and Highway Engineer. 1920. 277 p. illus., maps, diagr.

Outstanding features reviewed in *Public Roads*, Apr. 1921. "The California study is the most comprehensive study of results obtained through the development of a State highway system that has yet been undertaken."

**Eldridge, M. O., G. G. Clark, and A. L. Luedke.** State highway management, control and procedure. (Public Roads, Aug. 1918-Feb. 1919; vol. 1, no. 4, p. 36-52, no. 5, p. 24-48, no. 6-8, p. 44-48, no. 9, p. 59-64, no. 10, p. 29-102. diagr.)

**Hirst, A. R.** Laying out, marking, and maintaining a state trunk highway system. (Public Roads, Jan. 1919; vol. 1, no. 9, p. 27-32.)

Experience of Wisconsin.

## State Forests

**6570** **Crane, J. L.** Reforestation progress in Pennsylvania. (American City, Oct. 1920; vol. 23, p. 403-406. illus., diagr.)

**McDonald, A.** New York's forest problem. (New York Forestry, quarterly magazine of New York State Forestry Association, first quarter, 1923; vol. 9, no. 1, p. 3-8. illus.)

**Massachusetts Forestry Association.** Why Massachusetts should have state forests. Boston, The Association, [1919]. 23 p. (Bulletin no. 125.)

See also earlier address by the Secretary, Mr. Reynolds.

**Reynolds, H. A.** State forests for Massachusetts. (Landscape Architecture, Apr. 1914; vol. 4, p. 107-116.)

Address before the American Society of Landscape Architects.

## State Parks

**6580** **Caparn, H. A.** State parks. Special Supplement to National Municipal Review, Nov. 1921; vol. 10, p. 581-600.

**Connecticut State Park progress.** (Park and Cemetery, July 1921; vol. 31, p. 137-139. illus.)

Summary of fourth biennial report of Connecticut State Park Commission, George A. Parker, Secretary.

**Friends of Our Native Landscape.** Proposed park areas in the state of Illinois, a report with recommendations. Chicago, Friends of Our Native Landscape, [1922]. 120 p. illus.

Preface by Jens Jensen.

**Lieber, R.** Industrial importance of state parks. (Park and Cemetery, July 1921; vol. 31, p. 133-137. illus.)

Address before National Park Conference, Des Moines, by the State Director of Conservation of Indiana, especially known for its Turkey Run State Park.

**McFarland, J. H.** State parks — their size and character. (Parks and Recreation, May-June 1922; vol. 5, p. 471-473.)

Address at National Conference on State Parks.

**New York State Association. Committee on State Park Plan.** A state park plan for New York, with a proposal for the new park bond issue. Dec. 1922. 83 p. illus., plans.

**Pettis, C. R.** New York state parks and reservations. Albany, State of New York Conservation Commission, 1919. 15 p. illus. (Recreation Circular 1.)

**Welch, W. A.** State and national parks. (Parks and Recreation, Sept.-Oct. 1922; vol. 6, p. 18-21.)

Address at Minneapolis convention, American Institute of Park Executives, by the Superintendent of the Palisades Interstate Park.

A permanent National Conference on State Parks is being formed following the 3d Conference at Turkey Run State Park, Indiana, May 1923, and its file of Proceedings are in course of publication. A regular department including this subject appears in *Parks and Recreation*, bi-monthly.

## NATIONAL PLANNING

"The time has arrived in our national development when we must have a definite national program in the development of our great engineering problems. Our rail and water transport, our water supplies for irrigation, our reclamation, the provision of future fuel resources, the development and distribution of electrical power, all cry out for some broad-visioned national guidance. We must create a national engineering sense of provision for the nation as a whole." — *Herbert Hoover.*

**6600 Manning, W. H.** A national plan study brief. Special supplement to *Landscape Architecture*, July 1923. 24 p. maps.

The most important publication on the subject, being a brief digest of an unpublished study, with typical survey maps selected from a large number assembled or prepared by the author. Contains a foreword by the late Franklin K. Lane, Secretary of the Interior.

**Abercrombie, P.** The basis of reconstruction; the need for a regional survey of national resources. (*Town Planning Review*, Apr. 1918; vol. 7, p. 203-210.)

**Ackerman, F. L.** American reconstruction problems: nation planning. (*Journal of the American Institute of Architects*, Nov. 1918; vol. 6, p. 506-509.)

Address at the National Municipal League Conference, Rochester, Nov. 1918.

Also in *National Municipal Review*, Jan. 1919; vol. 8, p. 15-25.

**Adams, T.** Rural planning and development. See **6300.**

**Hoover, Herbert.** National policy on engineering problems. Presidential address before American Institute of Mining and Metallurgical Engineers, Minneapolis, Aug. 1920. (*Engineering News-Record*, Sept. 16, 1920; vol. 85, p. 544-545.)

Address from which the quotation at the head of the section was taken.

**Kehr, C.** Nation plan a basis for coordinated national development, preliminary discussion. Washington, 1920. 75 p.

Contains also pamphlet reprinted from *Journal of the American Institute of Architects*, Jan. 1920, *Nation Plans*, by the same author.

A national housing policy. — II. A national survey and garden cities. (*Garden Cities and Town Planning*, May 1921; vol. 11, p. 107-111.)

One of a series of articles in this volume on housing in national terms.

**Swaelmen, L. van der.** Le probleme rural et le probleme national. (*In his Préliminaires d'art civique mis en relation avec le "cas clinique" de la Belgique*, 1916, p. 89-138. illus.)

Towards a national survey. (Housing, issued by the British Ministry of Health, Nov. 22, 1920-Apr. 1921; vol. 2, nos. 36-44.)

A series of articles on the various regions into which the Kingdom was divided for purposes of the housing survey.

Among the publications of the national bureaus of the United States there should be mentioned especially those of the Bureau of Public Roads, Bureau of Soils, Geological Survey, Coast and Geodetic Survey, Reclamation Service, Forest Service, National Park Service, Bureau of Mines, etc. The publications of National Commissions such as the Federal Water Power Commission, National Waterways Commission, National Forest Reservation Commission (for protection of navigable streams), etc., should also be followed.

## National Highways

**6610 Bement, A. F.** Lincoln Highway nears tenth birthday. (*Good Roads*, Mar. 21, 1923; vol. 64, p. 107-109, 116.)

An account of our leading national road by the vice-president of the Lincoln Highway Association.

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